

CC isogene, which may be done by turning off by transforming a targeted  
 CC organ, tissue or cell population with an expression vector that expresses  
 CC high levels of untranslatable mRNA for the isogene. Specific therapeutics  
 CC identified by these methods may be useful for allergic diseases. The  
 CC present sequence is a probe for human IL4R-alpha  
 XX  
 SQ Sequence 15 BP; 5 A; 4 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 900 CCGTCTCATTTC 912  
 |||||  
 Db 15 CCGTCTCATTTC 3

RESULT 1332  
 AAS98327  
 ID AAS98327 standard; DNA; 15 BP.  
 XX  
 AC AAS98327;  
 XX  
 DT 12-MAR-2002 (first entry)  
 XX  
 DE Galanin receptor gene GALR1 allele-specific oligonucleotide #39.  
 XX  
 KW Galanin receptor; GALR1; human; single nucleotide polymorphism; SNP;  
 KW drug discovery; haplotyping; infectious diarrhoea;  
 KW growth hormone deficiency; allele-specific oligonucleotide; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200179237-A2.  
 XX  
 PD 25-OCT-2001.  
 XX  
 PF 16-APR-2001; 2001US-0012306.  
 XX  
 PR 14-APR-2000; 2000US-0197838P.  
 XX  
 PA (GENA-) GENAISSANCE PHARM INC.  
 XX  
 PI Bentivegna SC, Chew A, Choi JY, Denton RP, Nandabalan K;  
 XX WPI; 2002-066341/09.  
 DR

XX Genotyping human galanin receptor gene of an individual for determining  
 PT haplotype of an individual, involves determining the identity of  
 PT nucleotide pair at specific polymorphic sites for two copies of the gene.  
 XX  
 PS Claim 16; Page 15; 99pp; English.

XX The invention relates to genotyping human galanin receptor (GALR1) gene  
 CC of an individual, involving determining for the two copies of the GALR1  
 CC gene present in the individual, the identity of the nucleotide pair at  
 CC one or more polymorphic sites. The method is useful for determining  
 CC whether an individual has a haplotype or haplotype pairs defined in the  
 CC specification. This is useful for improving the efficacy and reliability  
 CC of several steps in the discovery and development of drugs for treating  
 CC diseases associated with GALR1 activity, e.g., infectious diarrhoea and  
 CC growth hormone deficiency, to validate GALR1 as a candidate agent for  
 CC treating a specific condition or disease predicted to be associated with  
 CC GALR1 activity, and in the design of clinical trials of candidate drugs  
 CC for treating a specific condition or disease predicted to be associated  
 CC with GALR1 activity. The method is useful to screen for compounds  
 CC targeting GALR1 to treat a specific conditions or disease associated with  
 CC GALR1 activity. A GALR1 polynucleotide or variant is useful in studying  
 CC the expression and function of GALR1, and in expressing GALR1 protein for  
 CC use in screening for candidate drugs to treat diseases related to GALR1  
 CC activity. The polynucleotide or variant is useful for studying expression  
 CC of the GALR1 isogenes in vivo, for in vivo screening and testing of drugs  
 CC targeted against GALR1 protein, and for studying the effect of the

CC variation on the biological activity of GALR1 as well as on the binding  
 CC affinity of candidate drugs targeting GALR1 for the treatment of  
 CC infectious diarrhoea and growth hormone insufficiency. AAS98289- AAS98408  
 CC represent human GALR1 gene allele-specific oligonucleotides used to  
 CC detect GALR1 gene polymorphisms as described in the method of the  
 CC invention  
 XX  
 SQ Sequence 15 BP; 1 A; 7 C; 3 G; 3 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 923 GCCTTTATCCCTCC 937  
 |||||  
 Db 1 GCCTGTATCCCGYC 15

RESULT 1333  
 ABK97325/C  
 ID ABK97325 standard; DNA; 15 BP.  
 XX  
 AC ABK97325;  
 XX  
 DT 07-OCT-2002 (first entry)  
 XX  
 DE 16S rRNA gene B-C synthetic variant PCR primer.  
 XX  
 KW Strain identification method; prokaryote; eukaryote; ribosomal DNA; HCR;  
 KW highly conserved region; highly variable region; HVR; bacterium;  
 KW methicillin-resistant Staphylococcus aureus; nosocomial infection; ss;  
 KW DNA fingerprinting; pathogenic bacteria; infection control; PCR; primer;  
 KW restriction fragment length polymorphism; RFLP; 16S rRNA; 23S rRNA; 5S.  
 XX  
 OS Synthetic.  
 XX  
 PN US6395475-B1.  
 XX  
 PD 28-MAY-2002.  
 XX  
 PF 05-JUN-1995; 95US-00461210.  
 XX  
 PR 18-MAY-1993; 93US-00064596.  
 XX  
 PA (UYFL) UNIV FLORIDA STATE.  
 XX  
 PI Leggett CG, Whitehouse E, Reeves RH;  
 XX WPI; 2002-556092/59.

XX Identifying strain of prokaryote or individual of eukaryote, useful in  
 PT clinical laboratories for strain identification of pathogenic bacteria,  
 PT comprises amplifying specific DNA fragment in ribosomal RNA intergene  
 PT region.

XX Disclosure; Col 5; 31pp; English.

XX The present invention relates to a new method of identifying strain of  
 CC prokaryote or individual of eukaryote. This method involves amplifying a  
 CC highly conserved region (HCR) of ribosomal DNA of prokaryote or  
 CC eukaryote, where the HCR of DNA flanks a highly variable region (HVR) of  
 CC DNA, to generate amplified DNA sequences which are labelled, and  
 CC fragmented to yield labelled, amplified DNA fragments that are separated  
 CC by electrophoresis so that prokaryote or eukaryote can be identified. The  
 CC invention can be used for identifying a strain of a prokaryote or an  
 CC individual of an eukaryote. The method is preferably useful for  
 CC identifying a prokaryotic strain such as a bacterium, preferably  
 CC methicillin-resistant Staphylococcus aureus. The method is useful for  
 CC identifying different bacterial strains involved in e.g. nosocomial  
 CC infections, and for identifying species, sub-species and the differences  
 CC between the individuals of the sub-species such as pedigrees, with  
 CC respect to a eukaryote. The method is sensitive enough to detect  
 CC differences between e.g. bacterial isolates of the same species. The

CC methods generally depend upon rapid, semi automated DNA analysis, and  
 CC more particularly, upon a type of DNA fingerprinting of multiple segments  
 CC of DNA. The methods are beneficial in clinical laboratories, because they  
 CC allow for rapid strain identification of pathogenic bacteria. The method  
 CC is more definitive since genomic bacterial DNA is used. The method also  
 CC provides results with great speed e.g. a preliminary screen by agarose  
 CC gel electrophoresis of a polymerase chain reaction (PCR) product can be  
 CC completed 5-6 hours after receiving hospital isolates. The preliminary  
 CC screen can then be confirmed in approximately 24 hours by restriction  
 CC fragment length polymorphism analysis (RFLP). The speed of the methods  
 CC provide infection control personnel with adequate information to contain  
 CC and prevent the spread of nosocomial infections, rather than having  
 CC analysis done retrospectively. The present nucleic acid sequence  
 CC represents one of a collection (ABK97292-ABK97326) of PCR primers used in  
 CC the methods of the invention, as described above  
 XX  
 XX Sequence 15 BP; 6 A; 2 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 QY 904 GTCATTTCTTTG 916  
 Db 13 GTCATTTCTTTG 1

RESULT 1334  
 AAS18277/c  
 ID AAS18277 standard; DNA; 15 BP.  
 XX  
 AC AAS18277;  
 DT 25-FEB-2002 (first entry)  
 XX  
 DE ASO primer #24 to detect IMPDH2 gene polymorphisms.  
 XX Human; single nucleotide polymorphism; SNP; IMPDH2; chromosome 3p21.2;  
 KW IMP dehydrogenase 2; haplotyping; genotyping; cancer; cytostatic;  
 KW allele-specific oligonucleotide; ASO; primer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177363-A2.  
 PD 18-OCT-2001.

PF 11-APR-2001; 2001WO-US011851.  
 XX  
 PR 11-APR-2000; 2000US-0196248P.  
 XX  
 PA (GENA-) GENAISSANCE PHARM INC.  
 XX  
 PI Chew A, Choi JY, Koshy B, Lee HH, Stephens JC;  
 DR WPI; 2002-041297/05.  
 XX  
 PT New isolated polynucleotide having polymorphic variant of IMP2  
 PT dehydrogenase gene, useful for studying expression of the gene in vivo,  
 PT and for testing efficacy of therapeutic agents for cancer in biological  
 PT system.  
 XX  
 PS Claim 15; Page 13; 70pp; English.

XX The present invention relates to novel single nucleotide polymorphisms  
 CC (SNPs) in the human IMP dehydrogenase 2 (IMPDH2) gene located on  
 CC chromosome 3p21.2, and methods for haplotyping and/or genotyping the  
 CC IMPDH2 gene in an individual. The methods of the invention make use of  
 CC allele-specific oligonucleotides (ASOs) as probes and primers and/or  
 CC primer-extension oligonucleotides for detecting the IMPDH2 gene  
 CC polymorphisms. The polynucleotides and screened compounds are useful for  
 CC (developing) treatment of diseases associated with IMPDH2 activity, such  
 CC as cancer. AAS18254-AAS18279 represent ASO primers for detecting IMPDH2

CC gene polymorphisms  
 XX  
 SQ Sequence 15 BP; 5 A; 3 C; 6 G; 0 T; 0 U; 1 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 QY 912 CTTTGCTCTTTCCT 926  
 Db 15 CYGTGCTCTCTGCT 1  
 RESULT 1335  
 AAD25989/c  
 ID AAD25989 standard; DNA; 15 BP.  
 XX  
 AC AAD25989;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE ASO primer #25 to detect human P14 gene polymorphisms.  
 XX Human; protease inhibitor; P14; kallistatin; therapy; polymorphic site;  
 KW PS; haplotyping; genotyping; acute pancreatitis; drug screening;  
 KW antiinflammatory; chromosome 14q31-q32.1; primer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200179227-A2.  
 PD 25-OCT-2001.  
 XX  
 PF 13-APR-2001; 2001WO-US012255.  
 XX  
 PR 13-APR-2000; 2000US-0196990P.  
 XX  
 PA (GENA-) GENAISSANCE PHARM INC.  
 XX  
 PI Choi JY, Koshy B, Sanchis A;  
 XX WPI; 2002-075060/10.  
 XX  
 PT Genotyping protease inhibitor 4 gene of individual for determining  
 PT haplotype of individual, involves determining identity of nucleotide pair  
 PT at specific polymorphic sites for two copies of gene.  
 XX  
 PS Claim 16; Page 13; 79pp; English.  
 XX  
 CC The present invention relates to genotyping protease inhibitor (PI) 4  
 CC (kallistatin) gene of an individual, involves determining for the two  
 CC copies of the P14 gene present in the individual, the identity of the  
 CC nucleotide pair at one or more polymorphic sites. P14 gene is located on  
 CC chromosome 14q31-q32.1. Genotyping is useful for determining if an  
 CC individual has a haplotype or haplotype pairs defined in the  
 CC specification. Haplotyping is useful for improving the efficacy and  
 CC reliability of several steps in the discovery and development of drugs  
 CC for treating diseases associated with P14 activity, e.g. acute  
 CC pancreatitis, to validate P14 as a candidate agent for treating a  
 CC specific condition or disease predicted to be associated with P14  
 CC activity, and in the design of clinical trials of candidate drugs for  
 CC treating a specific condition or disease predicted to be associated with  
 CC P14 activity. The P14 gene is useful in studying the expression and  
 CC function of P14, and in expressing P14 protein for use in screening for  
 CC candidate drugs to treat diseases related to P14 activity. The present  
 CC sequence is a ASO (allele-specific oligonucleotide) primer to detect  
 CC human P14 gene polymorphisms  
 XX  
 SQ Sequence 15 BP; 5 A; 2 C; 1 G; 6 T; 0 U; 1 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;



Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 942 CATTGGTTTAATG 954  
|||||  
Db 13 CATTAGATTATG 1

RESULT 1336  
AAS98674  
ID AAS98674 standard; DNA; 15 BP.  
AC AAS98674;  
DT 26-MAR-2002 (first entry)  
XX Colony stimulating factor 1 receptor (CSF1R) oligonucleotide #40.  
DE Colony stimulating factor 1 receptor; CSF1R; polymorphic variant;  
XX Cytostatic; gene therapy; malignant histiocytosis; isogene;  
KW myeloid malignancy; inflammatory disorder; transgenic animal; haplotype;  
KW Genotype; human; allele specific oligonucleotide; ASO; probe; ss.  
XX Homo sapiens.  
OS WO200179225-A2.  
XX WO200179225-A2.  
XX 25-OCT-2001.  
XX 12-APR-2001; 2001WO-US012044.  
XX 12-APR-2000; 2000US-0196411P.  
XX (GENA-) GENAISSANCE PHARM INC.  
XX Chew A, Choi JY, Koshy B;  
PI WPI; 2002-075058/10.  
XX Novel polymorphic variants of colony stimulating factor 1 receptor useful  
PT in studying expression and function of the protein, useful for screening  
PT candidate drugs to treat diseases e.g. inflammatory disorders.  
XX Claim 15; Page 15; 164pp; English.

The invention describes a novel isolated polynucleotide (I) comprising a  
CC sequence which is a polymorphic variant (PV) of a reference sequence for  
CC colony stimulating factor 1 receptor (CSF1R) gene, found on the  
CC polypeptide are useful for improving the discovery and development of  
CC drugs for treating diseases associated with CSF1R activity, e.g.,  
CC malignant histiocytosis, myeloid malignancies, and inflammatory disorders  
CC and the haplotypes can be used to validate CSF1R as a candidate target  
CC for treating a specific condition or disease predicted to be associated  
CC with CSF1R activity. Genotyping the CSF1R gene of an individual can also  
CC be used in developing diagnostic tests and therapeutic treatments. (I) is  
CC useful in studying the expression and function of CSF1R, and in  
CC expressing CSF1R protein for use in screening for candidate drugs to  
CC treat diseases related to CSF1R activity and in studying the effect of  
CC the variation on the biological activity of CSF1R as well as on the  
CC binding affinity of candidate drugs targeting CSF1R. Antibodies are  
CC useful in a variety of diagnostic and prognostic formats and therapeutic  
CC methods. A transgenic animal is useful in studying expression of the  
CC CSF1R isogenes in vivo, for in vivo screening and testing of drugs  
CC targeted against CSF1R protein, and for testing the efficacy of  
CC therapeutic agents and compounds. Allele specific oligonucleotides (ASO)  
CC are useful as probes and primers, and for assaying a polymorphism in the  
CC target region. Without requiring any a priori knowledge of the phenotypic  
CC effect of any particular CSF1R or haplotype the invention provides a  
CC method for identifying lead compounds that are more likely to show  
CC efficacy in clinical trials. This sequence is an allele specific  
CC oligonucleotide probe useful for detecting CSF1R gene polymorphisms,  
CC described in the method of the invention

Sequence 15 BP; 2 A; 7 C; 1 G; 4 T; 0 U; 1 Other;

QY 933 CCTCCTCTTCATT 945  
|||||  
Db 1 CCTCCTCTTCATT 13

RESULT 1337  
ABS51924  
ID ABS51924 standard; DNA; 15 BP.  
XX ABS51924;  
AC ABS51924;  
DT 05-NOV-2002 (first entry)  
XX Human FMO2 gene polymorphism detection ASO primer #45.  
DE Human; flavin containing monooxygenase-2; FMO2; isogene; drugs targeting;  
XX drug toxicity; bone disorder; gene therapy; polymorphism; chromosome 1q;  
KW allele-specific oligonucleotide; ASO; primer; ss.  
XX Homo sapiens.  
OS WO200253579-A2.  
XX WO200253579-A2.  
XX 11-JUL-2002.  
XX 18-DEC-2001; 2001WO-US049059.  
XX 29-DEC-2000; 2000US-0259062P.  
XX (GENA-) GENAISSANCE PHARM INC.  
XX Bentivegna SC, Duda A, Kazemi A, Lee HH, Messer C, Parks KE;  
PI WPI; 2002-590627/63.  
XX Novel genetic variants of Flavin Containing Monooxygenase 2 isogenes,  
PT useful for improving efficiency and reliability in drug development for  
PT treating developmental bone disorders.

Claim 15; Page 16; 140pp; English.

The present invention relates to a new polynucleotide which comprises  
CC flavin containing monooxygenase-2 (FMO2) isogenes. The invention is  
CC useful in screening for drugs that are useful for treating drug toxicity.  
CC The methods of the invention are useful for improving the efficiency and  
CC reliability of several steps in the discovery and development of drugs  
CC for treating diseases associated with FMO2 activity. The methods are also  
CC used by the pharmaceutical research scientist to validate FMO2 as a  
CC candidate target for treating a specific condition or disease predicted  
CC to be associated with FMO2 activity, e.g. drug toxicity, and in the  
CC design of clinical trials for treating a specific condition of disease  
CC associated with FMO2 activity. The methods are also useful for screening  
CC compounds targeting FMO2. The nucleic acid of the invention is useful in  
CC studying the expression and function of FMO2, and in expressing FMO2  
CC protein for use in screening for candidate drugs to treat diseases  
CC related to FMO2 activity. It is also useful in studying the effect of the  
CC variation on the biological activity of FMO2 as well as on the binding  
CC affinity of candidate drugs targeting FMO2 for the treatment of drug  
CC toxicity. The invention is useful for studying the expression of FMO2  
CC isogenes in vivo, for in vivo screening and testing of drugs targeted  
CC against FMO2 protein, and for testing the efficacy of therapeutic agents  
CC and compounds for treating drug toxicity in a biological system. The  
CC present nucleic acid sequence represents an allele-specific  
CC oligonucleotide (ASO) primer that was used in the methods of the  
CC invention to detect polymorphisms in the human FMO2 gene located on  
CC chromosome 1q

Sequence 15 BP; 2 A; 5 C; 0 G; 7 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 939 CTTTCATTGGTTTA 951  
|||||  
DB 1 CTTTCATTGGTTTA 13

RESULT 1338  
ABS51876/C  
ID ABS51876 standard; DNA; 15 BP.

XX ABS51876;  
AC ABS51876;  
DT 05-NOV-2002 (first entry)

DE Human FMO2 gene polymorphism detection ASO probe #21.

XX Human; flavin containing monooxygenase-2; FMO2; isogene; drugs targeting;  
KW drug toxicity; bone disorder; gene therapy; polymorphism; chromosome 1q;  
KW allele-specific oligonucleotide; ASO; probe; ss.

XX Homo sapiens.

XX WO200253579-A2.

XX 11-JUL-2002.

XX 18-DEC-2001; 2001WO-US049059.

XX 29-DEC-2000; 2000US-0259062P.

XX (GENA-) GENAISSANCE PHARM INC.

XX Bentivegna SC, Duda A, Kazemi A, Lee HH, Messer C, Parks KE;

XX WPI; 2002-590627/63.

XX Novel genetic variants of Flavin Containing Monooxygenase 2 isogenes,  
PT useful for improving efficiency and reliability in drug development for  
PT treating developmental bone disorders.

PS Claim 15; Page 15; 140pp; English.

XX The present invention relates to a new polynucleotide which comprises  
CC flavin containing monooxygenase-2 (FMO2) isogenes. The invention is  
CC useful in screening for drugs that are useful for treating drug toxicity.  
CC The methods of the invention are useful for improving the efficiency and  
CC reliability of several steps in the discovery and development of drugs  
CC for treating diseases associated with FMO2 activity. The methods are also  
CC used by the pharmaceutical research scientist to validate FMO2 as a  
CC candidate target for treating a specific condition or disease predicted  
CC to be associated with FMO2 activity, e.g. drug toxicity, and in the  
CC design of clinical trials for treating a specific condition of disease  
CC associated with FMO2 activity. The methods are also useful for screening  
CC compounds targeting FMO2. The nucleic acid of the invention is useful in  
CC studying the expression and function of FMO2, and in expressing FMO2  
CC protein for use in screening for candidate drugs to treat diseases  
CC related to FMO2 activity. It is also useful in studying the effect of the  
CC variation on the biological activity of FMO2 as well as on the binding  
CC affinity of candidate drugs targeting FMO2 for the treatment of drug  
CC toxicity. The invention is useful for studying the expression of FMO2  
CC isogenes in vivo, for in vivo screening and testing of drugs targeted  
CC against FMO2 protein, and for testing the efficacy of therapeutic agents  
CC and compounds for treating drug toxicity in a biological system. The  
CC present nucleic acid sequence represents an allele-specific  
CC oligonucleotide (ASO) probe that was used in the methods of the invention  
CC to detect polymorphisms in the human FMO2 gene located on chromosome 1q

XX Sequence 15 BP; 11 A; 0 C; 3 G; 0 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 926 TTTTATCCCTCTCT 940  
|||||  
DB 15 TTTTTCMTCTCTT 1

RESULT 1339  
AAD30483/C

XX AAD30483 standard; DNA; 15 BP.

XX AAD30483;

XX 07-AUG-2003 (revised)

DT 21-MAY-2002 (first entry)

XX Probe #8 used to detect potyvirus PVY polymerase B motif target DNA.

XX Promiscuous probe; target nucleic acid; detection; polymerase; B motif;  
KW potato virus Y; PVY; ss.

XX Potato virus Y.

XX Key Location/Qualifiers  
FT variation replace(3,C)  
FT /\*tag= a

XX WO200210443-A1.

XX 07-FEB-2002.

XX 27-JUL-2001; 2001WO-AU000931.

XX 27-JUL-2000; 2000AU-00009026.

XX 17-AUG-2000; 2000AU-00009483.

XX 18-AUG-2000; 2000US-0226212P.

XX (AUSU ) UNIV AUSTRALIAN NAT.

XX Gibbs MJ, Gibbs AJ, Brown RW;

XX WPI; 2002-206194/26.

XX Set of oligonucleotide probes for detecting different target  
PT polynucleotides, comprises a collection of different promiscuous probes  
PT each of which hybridizes to a target sequence shared between two target  
PT polynucleotides.

XX Disclosure; Fig 4; 75pp; English.

XX The present invention relates to a set of oligonucleotide probes and  
CC methods for detecting several different target polynucleotides. The set  
CC comprises a collection of different promiscuous probes each of which is  
CC capable of hybridizing to a target sequence shared between at least two  
CC target polynucleotides, where one target polynucleotide comprises at  
CC least one target sequence that is shared with one or more other  
CC polynucleotides. A predefined combination of promiscuous probes is  
CC capable of hybridizing to target sequences of at least one target  
CC polynucleotide, wherein said predefined combination of probes provide  
CC specificity of detection of that target polynucleotide. The probes of the  
CC invention are useful for detecting a number of different target  
CC polynucleotides using a programmable digital computer or for detecting an  
CC unknown or uncharacterised number of a polynucleotide family. The present  
CC sequence is an oligonucleotide probe used to detect potyvirus potato  
CC virus Y (PVY) polymerase B motif target DNA in the method of the  
CC invention. (Updated on 07-AUG-2003 to correct OS field.)

XX Sequence 15 BP; 6 A; 3 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 922 TGCCTTTATCC 934  
 |||||  
 Db 13 TGCCTTTATCC 1

RESULT 1340  
 AAD30478/c  
 ID AAD30478 standard; DNA; 15 BP.  
 XX  
 AC AAD30478;  
 XX  
 DT 07-AUG-2003 (revised)  
 XX 21-MAY-2002 (first entry)  
 DE Probe #3 used to detect potyvirus PVY polymerase B motif target DNA.  
 XX  
 KW Promiscuous probe; target nucleic acid; detection; polymerase; B motif;  
 KW potato virus Y; PVY; ss.  
 XX  
 OS Potato virus Y.  
 XX  
 FH Key Location/Qualifiers  
 FT variation replace(3,H)  
 FT /\*tag= a  
 XX  
 FN WO200210443-A1.  
 XX  
 PD 07-FEB-2002.  
 XX  
 XX 27-JUL-2001; 2001WO-AU000931.  
 XX  
 PR 27-JUL-2000; 2000AU-00009026.  
 PR 17-AUG-2000; 2000AU-00009483.  
 PR 18-AUG-2000; 2000US-0226212P.  
 XX  
 PA (AUSU) UNIV AUSTRALIAN NAT.  
 PI Gibbs MJ, Gibbs AJ, Brown RW;  
 XX  
 WPI; 2002-206194/26.  
 DR  
 XX Set of oligonucleotide probes for detecting different target  
 XX polynucleotides, comprises a collection of different promiscuous probes  
 XX each of which hybridizes to a target sequence shared between two target  
 XX polynucleotides.  
 PS Disclosure; Fig 4; 75pp; English.  
 CC The present invention relates to a set of oligonucleotide probes and  
 CC methods for detecting several different target polynucleotides. The set  
 CC comprises a collection of different promiscuous probes each of which is  
 CC capable of hybridizing to a target sequence shared between at least two  
 CC target polynucleotides, where one target polynucleotide comprises at  
 CC least one target sequence that is shared with one or more other  
 CC polynucleotides. A predefined combination of promiscuous probes is  
 CC capable of hybridizing to target sequences of at least one target  
 CC polynucleotide, wherein said predefined combination of probes provide  
 CC specificity of detection of that target polynucleotide. The probes of the  
 CC invention are useful for detecting a number of different target  
 CC polynucleotides using a programmable digital computer or for detecting an  
 CC unknown or uncharacterised number of a polynucleotide family. The present  
 CC sequence is an oligonucleotide probe used to detect potyvirus potato  
 CC virus Y (PVY) polymerase B motif target DNA in the method of the  
 CC invention. (Updated on 07-AUG-2003 to correct OS field.)  
 XX  
 XX Sequence 15 BP; 6 A; 3 C; 6 G; 0 T; 0 U; 0 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 Qy 922 TGCCTTTATCC 934

Db 13 TGCCTTTATCC 1  
 |||||  
 RESULT 1341  
 AET05329  
 ID AET05329 standard; DNA; 15 BP.  
 XX  
 AC AET05329;  
 XX  
 DT 24-OCT-2002 (first entry)  
 XX  
 DE Human N-acetylglucosaminidase (NAGA) alpha gene ASO primer 21.  
 XX  
 KW Human; PCR; primer; ss; gene therapy; N-acetylglucosaminidase alpha;  
 KW chromosome 22q13.2-q13.31; lysosomal glycohydrolase; screening; SNP;  
 KW NAGA-related disease; single nucleotide polymorphism; haplotyping; NAGA;  
 KW genotyping.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200194637-A1.  
 XX  
 PD 13-DEC-2001.  
 XX  
 PF 07-JUN-2001; 2001WO-US018456.  
 XX  
 PR 07-JUN-2000; 2000US-0210110P.  
 XX  
 PA (GENA-) GENAISANCE PHARM INC.  
 XX  
 PI Duda A, Kazemi A, Koshiy B, Parks KE;  
 XX  
 WPI; 2002-566449/60.  
 DR  
 XX New genetic variants of isolated N-acetylglucosaminidase (NAGA), Alpha  
 XX gene, useful for therapeutic purposes, for studying the expression and  
 XX function of the polynucleotide, and for expressing NAGA protein.  
 PT  
 XX Claim 16; Page 13; 91pp; English.  
 PS  
 XX The invention comprises the amino acid and coding sequence of the human N  
 XX -acetylglucosaminidase (NAGA) alpha protein. The invention specifically  
 XX comprises novel polymorphic sites identified within the NAGA gene. The  
 XX NAGA gene is located on chromosome 22q13.2-q13.31, and encodes a  
 XX lysosomal glycohydrolase that cleaves alpha-N-acetylglucosaminyl  
 XX moieties in glycoconjugates. The NAGA DNA and protein sequences of the  
 XX invention are useful for studying the expression and function of NAGA and  
 XX for screening candidate drugs to treat diseases related to NAGA activity.  
 XX The NAGA gene polymorphisms identified in the present invention are  
 XX useful for haplotyping and genotyping the NAGA gene of an individual. The  
 XX present DNA sequence represents an N-acetylglucosaminidase gene allele-  
 XX specific oligonucleotide primer  
 XX  
 XX Sequence 15 BP; 0 A; 7 C; 1 G; 6 T; 0 U; 1 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
 Qy 934 CTCCTTTTCATG 946  
 |||||  
 Db 1 CTCCTTTTCATG 13

RESULT 1342  
 AAS95610  
 ID AAS95610 standard; DNA; 15 BP.  
 XX  
 AC AAS95610;  
 XX  
 DT 14-FEB-2002 (first entry)  
 XX

DE Apolipoprotein C-IV allele-specific oligonucleotide #31.  
 XX Apolipoprotein C-IV; APOC4; human; antilipemic; haplotyping;  
 KW hypertriglyceridaemia; allele-specific oligonucleotide; ASO; ss.  
 XX Homo sapiens.  
 XX WO200177127-A2.  
 XX 18-OCT-2001.  
 XX 10-APR-2001; 2001WO-US011715.  
 XX 11-APR-2000; 2000US-0195825P.  
 XX (GENA-) GENAISANCE PHARM INC.  
 PA (LEE H.) LEE H H.  
 XX Choi JY, Kliem SE, Koshiy B;  
 XX WPI; 2002-041284/05.  
 XX New haplotypes of human apolipoprotein C-IV gene, useful to diagnose and  
 PT treat diseases associated with its activity such as hypertriglyceridaemia.  
 XX Claim 16; Page 13; 64pp; English.  
 XX The invention relates to haplotyping the apolipoprotein C-IV (APOC4) gene  
 CC of an individual, comprising determining if the individual has one of the  
 CC APOC4 haplotypes or haplotype pairs fully defined in the specification.  
 CC Haplotyping the APOC4 gene of an individual, comprises determining the  
 CC identity of the nucleotide at two or more polymorphic sites in one copy  
 CC of the gene. The method also comprises identifying an association between  
 CC a trait and a haplotype or haplotype pair of the APOC4 gene, comprising  
 CC comparing the frequency of the haplotypes/pair in a population exhibiting  
 CC the trait with that of a reference population. A higher frequency in the  
 CC trait population indicates the trait is associated with the haplotype.  
 CC The polymorphisms and screened compounds are useful for developing  
 CC treatment for diseases associated with APOC4 activity such as  
 CC hypertriglyceridaemia. AAS95580-AAS95634 represent human apolipoprotein C  
 CC -IV allele-specific oligonucleotides of the invention  
 XX Sequence 15 BP; 1 A; 2 C; 1 G; 10 T; 0 U; 1 Other;  
 SQ Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 QY 918 TCTTTGCTTTTATC 932  
 DB 1 TCTTTTGTATTAYC 15  
 RESULT 1343  
 ABL51962  
 ID ABL51962 standard; DNA; 15 BP.  
 XX ABL51962;  
 XX 11-JUL-2002 (first entry)  
 XX Human SLC18A2 allele specific oligonucleotide probe SEQ ID NO:10.  
 XX Human; solute carrier family 18 member 2; SLC18A2; vesicular monoamine;  
 KW vesicular monoamine transporter; VMAT2; polymorphic site; SNP;  
 KW single nucleotide polymorphism; antiinflammatory; neuroleptic;  
 KW haplotyping; genotyping; respiratory inflammatory disease;  
 KW neuropsychiatric disorder; monoaminergic brain system; probe; ss.  
 XX Homo sapiens.  
 XX Key Location/Qualifiers  
 FH misc\_feature 8  
 FT

FT /\*tag= a  
 XX /note= "polymorphic site indicated by an ambiguity base"  
 PN WO200222652-A2.  
 XX 21-MAR-2002.  
 XX 17-SEP-2001; 2001WO-US042217.  
 XX 15-SEP-2000; 2000US-0232895P.  
 XX (GENA-) GENAISANCE PHARM INC.  
 XX Anastasio AE, Han J, Kliem SE, Sausker EA;  
 XX WPI; 2002-393942/42.  
 XX Novel genetic variants of soluble carrier family 18 (vesicular  
 PT monoamine), member 2 gene useful for screening drugs to treat diseases  
 PT e.g. neuropsychiatric disorders involving monoaminergic brain systems.  
 XX Claim 17; Page 14; 183pp; English.  
 XX The present invention describes an isolated polynucleotide (I) having a  
 CC sequence (S1) comprising soluble carrier family 18 (vesicular monoamine),  
 CC member 2 (SLC18A2) isogene selected from 49 isogenes with regions of a  
 CC sequence (SS) of 40023 bp (see ABL51954), and defined by a corresponding  
 CC set of polymorphisms whose locations and identities are given in the  
 CC specification; or a sequence (S2) complementary to (S1). (I) has  
 CC antiinflammatory and neuroleptic activities, and can be used in gene  
 CC therapy. Methods from the present invention can be used for haplotyping  
 CC and genotyping the SLC18A2 gene in an individual. SLC18A2 is also known  
 CC as the vesicular monoamine transporter (VMAT2). (I) is useful in studying  
 CC the expression and function of SLC18A2, and in expressing the SLC18A2  
 CC protein for use in screening for candidate drugs to treat diseases  
 CC related to SLC18A2 activity and in studying the effect of the variation  
 CC on the biological activity of SLC18A2 as well as on the binding affinity  
 CC of candidate drugs targeting SLC18A2 for the treatment of respiratory  
 CC inflammatory diseases such as neuropsychiatric disorders involving  
 CC monoaminergic brain systems. The present sequence represents an allele  
 CC specific oligonucleotide (ASO) probe for human SLC18A2, which is given in  
 XX the present invention  
 SQ Sequence 15 BP; 0 A; 5 C; 4 G; 5 T; 0 U; 1 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 QY 933 CCTCCTCTTCATTGG 947  
 DB 1 CCTGCTCTCTGTGG 15  
 RESULT 1344  
 ABK96294/c  
 ID ABK96294 standard; DNA; 15 BP.  
 XX ABK96294;  
 XX 24-SEP-2002 (first entry)  
 XX EDG1 gene allele-specific oligonucleotide #9.  
 XX EDG1; human; haplotyping; vascular developmental disorder; PCR; primer;  
 KW endothelial differentiation sphingolipid G protein-coupled receptor 1;  
 KW ss.  
 XX Homo sapiens.  
 XX WO200244200-A2.  
 XX 06-JUN-2002.  
 XX

XX 03-DEC-2001; 2001WO-US046946.  
 XX  
 XX 01-DEC-2000; 2000US-0250606P.  
 XX  
 XX (GENA-) GENAISSANCE PHARM INC.  
 XX  
 XX Bieglecki KM, Kazemi A, Shah N;  
 XX  
 XX WPI; 2002-519581/55.  
 XX  
 XX Novel genetic variants of Endothelial Differentiation, Sphingolipid G  
 XX Protein-Coupled Receptor 1 isogenes, useful for improving efficiency and  
 XX reliability in drug development for treating vascular developmental  
 XX disorders.  
 XX  
 XX Claim 14; Page 13; 68pp; English.  
 XX  
 XX The invention relates to an isolated polynucleotide (I) encoding  
 XX endothelial differentiation, sphingolipid G protein-coupled receptor 1  
 XX (EDG1) (II). Also described are methods for haplotyping or genotyping  
 XX EDG1 gene of an individual by identifying single nucleotide polymorphisms  
 XX (SNPs) of the gene. (II) is useful in screening for drugs targeting (II)  
 XX that are useful for treating vascular developmental disorders. The  
 XX methods are useful for improving the efficiency and reliability of  
 XX several steps in the discovery and development of drugs for treating  
 XX diseases associated with EDG1 activity. The haplotyping method is also  
 XX used in pharmaceutical research to validate EDG1 as a candidate target  
 XX for treating a specific condition or disease predicted to be associated  
 XX with EDG1 activity, e.g. vascular developmental disorders, and in the  
 XX design of clinical trials for treating a specific condition of disease  
 XX associated with EDG1 activity. The methods are also useful for screening  
 XX compounds targeting EDG1. ABK96286-ABK96332 represent EDG1 gene allele-  
 XX specific oligonucleotides, primer extension oligonucleotides and related  
 XX PCR primers of the invention  
 XX  
 XX Sequence 15 BP; 6 A; 0 C; 8 G; 0 T; 0 U; 1 Other;  
 XX  
 XX Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 XX Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 XX Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 XX  
 XX 928 TTATCCCTCTCTTC 942  
 XX |||||:||||  
 XX 15 TTCTCCCTCTCTTC 1  
 XX  
 XX RESULT 1345  
 XX ABL91839  
 XX ID ABL91839 standard; DNA; 15 BP.  
 XX  
 XX AC ABL91839;  
 XX  
 XX DT 11-JUL-2002 (first entry)  
 XX  
 XX DE Human LIPG gene allele specific oligonucleotide primer 18.  
 XX  
 XX KW Human; ss; allele specific oligonucleotide; primer;  
 XX single nucleotide polymorphism; SNP; lipase endothelial isogene; LIPG;  
 XX drug screening; atherosclerosis; cardiovascular disorder;  
 XX LIPG haplotyping; LIPG genotyping.  
 XX  
 XX OS Homo sapiens.  
 XX  
 XX FN WO200216397-A2.  
 XX  
 XX PD 28-FEB-2002.  
 XX  
 XX PF 17-AUG-2001; 2001WO-US026639.  
 XX  
 XX XX 25-AUG-2000; 2000US-0227825P.  
 XX  
 XX (GENA-) GENAISSANCE PHARM INC.

XX Duda A, Kazemi A, Klien SE, Messer C;  
 XX WPI; 2002-292055/33.  
 XX  
 XX Novel genetic variants of Lipase, Endothelial isogenes, useful for  
 XX improving efficiency and reliability in drug development for treating  
 XX diseases associated with LIPG activity, e.g. atherosclerosis.  
 XX  
 XX Claim 16; Page 14; 134pp; English.  
 XX  
 XX The invention comprises the DNA and amino acid sequence of the human  
 XX lipase, endothelial (LIPG) isogene. Specifically, the invention relates  
 XX to the discovery of 20 novel polymorphic sites within the LIPG gene. The  
 XX LIPG coding sequence and protein are useful for screening drugs that can  
 XX be used to treat atherosclerosis and other cardiovascular disorders. The  
 XX LIPG coding sequence can also be used to haplotype and genotype the LIPG  
 XX gene of an individual. The DNA sequences ABU91822 - ABL91861 represent  
 XX LIPG gene allele specific oligonucleotide primers  
 XX  
 XX Sequence 15 BP; 0 A; 4 C; 1 G; 9 T; 0 U; 1 Other;  
 XX  
 XX Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 XX Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 XX Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 XX  
 XX 917 GTCTTTGCCTTTTAT 931  
 XX |||||:||||  
 XX 1 GTCTTTCTCTCTRT 15  
 XX  
 XX RESULT 1346  
 XX ABL57160  
 XX ID ABL57160 standard; DNA; 15 BP.  
 XX  
 XX AC ABL57160;  
 XX  
 XX DT 05-AUG-2002 (first entry)  
 XX  
 XX DE Probe for FY gene polymorphism detection.  
 XX  
 XX KW Duffy; blood group; FY; human; receptor; haplotyping; genotyping;  
 XX transgenic animal; malaria; inflammation; antimalarial; protozoicide;  
 XX antiinflammatory; single nucleotide polymorphism; SNP; probe; ss.  
 XX  
 XX OS Homo sapiens.  
 XX  
 XX PN WO200230950-A2.  
 XX  
 XX PD 18-APR-2002.  
 XX  
 XX PF 15-OCT-2001; 2001WO-US042725.  
 XX  
 XX PR 13-OCT-2000; 2000US-0240275P.  
 XX  
 XX (GENA-) GENAISSANCE PHARM INC.  
 XX  
 XX PI Chew A, Choi JY, Koshy B;  
 XX WPI; 2002-426264/45.  
 XX  
 XX Novel genetic variants of Duffy Blood group (FY) gene useful for  
 XX screening drugs to treat diseases e.g. malaria and inflammatory  
 XX disorders.  
 XX  
 XX Claim 15; Page 14; 98pp; English.  
 XX  
 XX The present sequence is an allele-specific oligonucleotide probe that was  
 XX designed to detect a specific polymorphism in the human Duffy blood group  
 XX (FY) gene (see ABL57150). The probe, and a probe of complementary  
 XX sequence, belong to a set of probes (see ABL57151-66) that can be used in  
 XX a kit for haplotyping or genotyping the FY gene of an individual. The  
 XX probes provide good discrimination between the different FY gene

CC polymorphisms by each having a central nucleotide that aligns with the  
 CC polymorphic site in the target region. The present invention provides  
 CC novel genetic variants of the FY gene, and discloses various genotypes,  
 CC haplotypes and haplotype pairs that exist in the general United States  
 CC population. Compositions and methods for haplotyping and/or genotyping  
 CC the FY gene in an individual are also disclosed. The polymorphism and  
 CC haplotype data are useful for validating FY as a candidate target for  
 CC treating a condition or disease associated with FY activity, such as  
 CC malaria and inflammatory disorders

XX Sequence 15 BP; 0 A; 5 C; 0 G; 9 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 921 TTGCTTTTATCCCT 935  
 DB 1 TTCTCTTTCCTT 15

RESULT 1347  
 ABL30535/C  
 ID ABL30535 standard; DNA; 15 BP.

XX AC ABL30535;  
 XX DT 21-MAR-2002 (first entry)  
 XX DE Human HLA genotyping oligonucleotide SEQ ID NO 24.  
 XX KW Human; human leukocyte antigen; HLA; genotype; polymorphism;  
 XX KW immunogenetic; transplantation; genetic disease; ss.  
 XX OS Homo sapiens.

XX PN WO200192572-A1.  
 XX PD 06-DEC-2001.  
 XX PF 01-JUN-2001; 2001WO-JP004662.  
 XX PR 01-JUN-2000; 2000JP-00164798.  
 XX PA (NISH ) NISSHINO IND INC.  
 XX PI (SYST-) SYSTEM RES INC.

XX PI Inoko H, Kagiya T, Ichihara T, Matsumura Y, Moriya S, Nishida M;  
 XX WPI; 2002-122074/16.

XX Human leukocyte antigen (HLA) typing, useful for judging HLA genotypes of  
 PT individuals e.g. by determining immunogenetic differences when  
 PT transplanting between them.

XX Claim 10; Page 97; 345pp; Japanese.

XX The invention relates to a typing kit for judging human leukocyte antigen  
 CC (HLA) genotype of a sample by hybridising a substrate on which 10-24 base  
 CC oligonucleotides (ABL30512-ABL31809) originating in the sequences of  
 CC genes e.g. belonging to HLA class I antigens on human genome and  
 CC containing gene polymorphisms as alloantigens have been immobilised as  
 CC primers for amplification of cleaved nucleic acids relating to gene  
 CC polymorphisms. The method is useful for judging HLA genotypes of  
 CC individuals by determining immunogenetic differences before transplanting  
 CC between them, providing genetic information to decide compatibility of  
 CC organ and tissue for transplantation e.g. of bone marrow, kidney, liver,  
 CC pancreas, Langerhans islet in pancreas and cornea, susceptibility  
 CC diagnosis of genetic diseases and identifying individuals

XX Sequence 15 BP; 5 A; 1 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;

Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 931 TCCCTCCCTTCA 943  
 DB 14 TCCCTCCCTTCA 2

RESULT 1348  
 ABK31902  
 ID ABK31902 standard; DNA; 15 BP.

XX AC ABK31902;  
 XX DT 23-APR-2002 (first entry)  
 XX DE Human colon cancer SAGE tag #3.  
 XX KW Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;  
 XX KW serial analysis of gene expression; diagnostic; prognostic; probe;  
 XX KW cancer marker; ss.

XX OS Homo sapiens.  
 XX PN US6333152-B1.  
 XX PD 25-DEC-2001.

XX PF 20-MAY-1998; 98US-00081646.  
 XX PR 20-MAY-1998; 98US-00081646.

XX PA (UYJO ) UNIV JOHNS HOPKINS.

XX PI Vogelstein B, Kinzler KW, Zhang L, Zhou W;

XX WPI; 2002-153821/20.

XX New human nucleic acid containing specific SAGE tags, useful as  
 PT diagnostic markers for cancer, also derived probes.

XX Disclosure; Col 13; 161pp; English.

XX The invention relates to an isolated, purified human nucleic acid (I)  
 CC that has the same sequence as a mRNA found in humans and is a SAGE  
 CC (serial analysis of gene expression) tag comprising a single stranded  
 CC probe containing at least 10 consecutive nucleotides. SAGE tags, are  
 CC diagnostic and prognostic markers of cancer, especially of the colon and  
 CC pancreas. ABK31900-ABK32770 represent human colon and pancreatic cancer  
 CC SAGE tags of the invention

XX SQ Sequence 15 BP; 3 A; 6 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 922 TGCCCTTTATCC 934  
 DB 3 TGCCGTGTAATCC 15

RESULT 1349  
 ABI99089  
 ID ABI99089 standard; DNA; 15 BP.

XX AC ABI99089;

XX DT 27-FEB-2002 (first entry)

XX DE Human PCDH2 ASO PCR primer SEQ ID NO 46.

XX KW Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;

KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;  
 KW allele-specific oligonucleotide; ASO; PCR primer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200194361-A2.  
 XX  
 PD 13-DEC-2001.  
 XX  
 XX  
 PF 06-JUN-2001; 2001WO-US018321.  
 XX  
 PR 06-JUN-2000; 2000US-0209564P.  
 XX  
 XX (GENA-) GENAISSANCE PHARM INC.  
 XX  
 PI Klem SE, Koshy B, Tanguay DA;  
 XX  
 DR WPI; 2002-097928/13.  
 XX  
 XX  
 PT New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,  
 PT useful in expressing PCDH2 protein for screening candidate drugs to treat  
 PT diseases related to PCDH2 activity.  
 XX  
 XX  
 PS Claim 16; Page 13; 127pp; English.  
 XX  
 CC The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,  
 CC comprising determining which of the haplotypes given in the specification  
 CC defines one or both copies of the individual's PCDH2 gene. The  
 CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully  
 CC defined in the specification. The polymorphic variants are useful in  
 CC studying the expression and function of PCDH2, in expressing PCDH2  
 CC protein for use in screening for candidate drugs to treat diseases such  
 CC as cancer, related to PCDH2 activity, in studying the effect of the  
 CC variation on the biological activity of PCDH2 and the binding affinity of  
 CC candidate drugs targeting PCDH2. The haplotyping methods are useful in  
 CC validating PCDH2 as a candidate target for treating a specific condition  
 CC or disease predicted to be associated with PCDH2 activity or in the  
 CC design of clinical trials of candidate drugs for treating a specific  
 CC condition or disease associated with PCDH2 activity. The present sequence  
 CC is that of a PCDH2 allele-specific oligonucleotide (ASO) PCR primer of  
 CC the invention  
 XX  
 SQ Sequence 15 BP; 0 A; 1 C; 6 G; 7 T; 0 U; 1 Other;  
 XX  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 QY 909 TTTCTTTGGTCTTTG 923  
 ||||| ||| |||  
 Db 1 TTTCTGTGGGCTTGG 15  
 RESULT 1350  
 AB199113/c  
 ID AB199113 standard; DNA; 15 BP.  
 XX  
 AC AB199113;  
 XX  
 DT 27-FEB-2002 (first entry)  
 XX  
 DE Human PCDH2 ASO PCR primer SEQ ID NO 70.  
 XX  
 KW Human; PCDH2; protocadherin 2; haplotyping; polymorphic variant; SNP;  
 KW single nucleotide polymorphism; cytostatic; cancer; chromosome 5q31;  
 KW allele-specific oligonucleotide; ASO; PCR primer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200194361-A2.  
 XX  
 FD 13-DEC-2001.  
 XX

PF 06-JUN-2001; 2001WO-US018321.  
 XX  
 PR 06-JUN-2000; 2000US-0209564P.  
 XX  
 PA (GENA-) GENAISSANCE PHARM INC.  
 XX  
 PI Klem SE, Koshy B, Tanguay DA;  
 XX  
 DR WPI; 2002-097928/13.  
 XX  
 XX  
 PT New protocadherin 2 (PCDH2) polymorphic variants and encoding genes,  
 PT useful in expressing PCDH2 protein for screening candidate drugs to treat  
 PT diseases related to PCDH2 activity.  
 XX  
 XX  
 PS Claim 16; Page 14; 127pp; English.  
 XX  
 CC The invention relates to haplotyping the protocadherin 2 (PCDH2) gene,  
 CC comprising determining which of the haplotypes given in the specification  
 CC defines one or both copies of the individual's PCDH2 gene. The  
 CC polymorphisms are within a 30244 base pair sequence (ABA05413), fully  
 CC defined in the specification. The polymorphic variants are useful in  
 CC studying the expression and function of PCDH2, in expressing PCDH2  
 CC protein for use in screening for candidate drugs to treat diseases such  
 CC as cancer, related to PCDH2 activity, in studying the effect of the  
 CC variation on the biological activity of PCDH2 and the binding affinity of  
 CC candidate drugs targeting PCDH2. The haplotyping methods are useful in  
 CC validating PCDH2 as a candidate target for treating a specific condition  
 CC or disease predicted to be associated with PCDH2 activity or in the  
 CC design of clinical trials of candidate drugs for treating a specific  
 CC condition or disease associated with PCDH2 activity. The present sequence  
 CC is that of a PCDH2 allele-specific oligonucleotide (ASO) PCR primer of  
 CC the invention  
 XX  
 SQ Sequence 15 BP; 8 A; 2 C; 3 G; 1 T; 0 U; 1 Other;  
 XX  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
 Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
 QY 933 CCTCTCTTTCATTGG 947  
 ||||| ||| |||  
 Db 15 CTTCTGTTCATTG 1  
 RESULT 1351  
 AAL48116/c  
 ID AAL48116 standard; DNA; 15 BP.  
 XX  
 AC AAL48116;  
 XX  
 DT 27-SEP-2002 (first entry)  
 XX  
 DE Human neurotrophin Y allele specific primer SEQ ID NO: 40.  
 XX  
 KW Human; neurotrophin Y; NPY; isogene; SNP; atherosclerosis; obesity;  
 KW psychological disorder; single nucleotide polymorphism; alcoholism;  
 KW antiarteriosclerotic; anorectic; PCR; primer; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200251857-A1.  
 XX  
 PD 04-JUL-2002.  
 XX  
 PF 21-DEC-2000; 2000WO-US034758.  
 XX  
 XX 21-DEC-2000; 2000WO-US034758.  
 PR  
 XX (GENA-) GENAISSANCE PHARM INC.  
 PA  
 PI Chew A, Denton RR, Lanz EM, Nandabalan K, Stephens JC;  
 XX  
 DR WPI; 2002-566671/60.

XX New genetic variants of the human Neuropeptide Y (NPY) gene useful for  
PT treating disorders affected by abnormal expression or function of NPY  
PT isogene e.g., atherosclerosis or obesity.  
XX  
XX Claim 11; Page 17; 80pp; English.  
XX  
XX The present invention provides the human neuropeptide Y (NPY) gene and  
CC single nucleotide polymorphisms (SNPs) identified therein. The sequence  
CC can be used in the treatment of disorders associated with NPY, including  
CC atherosclerosis, obesity, psychological disorders and alcoholism. The  
CC present sequence is an allele specific primer used to isolate the human  
CC NPY coding sequence  
XX  
XX Sequence 15 BP; 7 A; 0 C; 7 G; 1 T; 0 U; 0 Other;  
SQ  
Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 925 CTTTATCCCTCC 937  
DB 13 CTTTCTCCCTC 1  
RESULT 1352  
AAL48118/C  
ID AAL48118 standard; DNA; 15 BP.  
XX  
XX AAL48118;  
XX  
XX 27-SEP-2002 (first entry)  
XX  
XX Human neuropeptide Y allele specific primer SEQ ID NO: 42.  
XX  
XX Human; neuropeptide Y; NPY; isogene; SNP; atherosclerosis; obesity;  
XX psychological disorder; single nucleotide polymorphism; alcoholism;  
XX arteriosclerotic; anorectic; PCR; primer; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200251857-A1.  
XX  
XX 04-JUL-2002.  
XX  
XX 21-DEC-2000; 2000WO-US034758.  
XX  
XX 21-DEC-2000; 2000WO-US034758.  
XX  
XX (GENA-) GENAISSANCE PHARM INC.  
XX  
XX Chew A, Denton RR, Lanz EM, Nandabalan K, Stephens JC;  
XX  
XX WPI; 2002-566671/60.  
XX  
XX New genetic variants of the human Neuropeptide Y (NPY) gene useful for  
PT treating disorders affected by abnormal expression or function of NPY  
PT isogene e.g., atherosclerosis or obesity.  
XX  
XX Claim 11; Page 17; 80pp; English.  
XX  
XX The present invention provides the human neuropeptide Y (NPY) gene and  
CC single nucleotide polymorphisms (SNPs) identified therein. The sequence  
CC can be used in the treatment of disorders associated with NPY, including  
CC atherosclerosis, obesity, psychological disorders and alcoholism. The  
CC present sequence is an allele specific primer used to isolate the human  
CC NPY coding sequence  
XX  
XX Sequence 15 BP; 7 A; 1 C; 7 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 925 CTTTATCCCTCC 937  
DB 13 CTTTCTCCCTC 1  
RESULT 1353  
ABZ95230  
ID ABZ95230 standard; DNA; 15 BP.  
XX  
XX ABZ95230;  
XX  
XX 17-OCT-2003 (first entry)  
XX  
XX Human IL3 receptor antisense fragment no.1094.  
XX  
XX Human; antisense; lung dysfunction; nasal airway dysfunction;  
XX antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic;  
XX antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy;  
XX antisense gene therapy; respiratory; lung; adenosine sensitivity;  
XX adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;  
XX lung inflammation; respiratory disease; ds.  
XX  
XX Homo sapiens.  
XX  
XX WO200285308-A2.  
XX  
XX 31-OCT-2002.  
XX  
XX 23-APR-2002; 2002WO-US013135.  
XX  
XX 24-APR-2001; 2001US-0286137P.  
XX  
XX (EPIG-) EPIGENESIS PHARM INC.  
XX  
XX Nyce JW, Li Y, Sandrasagra A, Katz E, Pabalan J, Aguilar D;  
XX Miller S, Tang L, Shahabuddin S;  
XX  
XX WPI; 2003-229219/22.  
XX  
XX Pharmaceutical composition for treating ailments associated with impaired  
PT respiration, has oligo(s) antisense to specific gene(s) or its  
PT corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or  
PT ubiquinone.  
XX  
XX Disclosure; SEQ ID NO 10472; 872pp; English.  
XX  
XX The invention relates to a novel pharmaceutical composition, which has a  
CC first active agent comprising an oligonucleotide antisense to the  
CC initiation codon, coding region, 5' or 3' end genomic flanking regions,  
CC 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of  
CC junctions of genes encoding a polypeptide associated with lung and/or  
CC nasal airway dysfunction and a second active agent comprising an  
CC antiinflammatory steroid and ubiquinone. A composition of the invention  
CC has antiinflammatory, antiallergic, antiasthmatic, hypotensive,  
CC immunosuppressive, and cytostatic activity. The composition may have a  
CC use in antisense gene therapy. The composition is useful for treating or  
CC preventing a respiratory, lung or malignant disease or condition, also  
CC for enhancing the prophylactic or therapeutic respiratory effect of an  
CC antiinflammatory steroid in a subject, for reducing or depleting levels  
CC of, or reducing sensitivity to adenosine, reducing levels of adenosine  
CC receptor, producing bronchodilation, increasing levels of ubiquinone or  
CC lung surfactant in a subject's tissue, or treating bronchoconstriction,  
CC lung inflammation, lung allergies, or a respiratory disease or condition.  
CC Note: The sequence data for this patent is not represented in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 15 BP; 0 A; 5 C; 2 G; 8 T; 0 U; 0 Other;  
SQ  
Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 84.6%; Pred. No. 1.2e+03;  
Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;



Dy		938 TCTTCATCGGTTT 950             1 TCTTCCTCAGTTT 13
Dd		
ID	ABX11120 standard; DNA; 15 BP.	
XX	AC	
XX	AX	
DT	28-APR-2003 (first entry)	
OS	Universal PCR primer B-C for prokaryotic 16S rRNA gene.	
KW	Cell typing; intergene region; IGR1; IGR2; external transcribed space; ETS1; ETS2; unknown cell type; prokaryotic cell; bacterium;	
KW	eukaryotic cell; bacterial strain identification; nosocomial infection; species identification; subspecies identification; pedigree;	
KW	prokaryotic organism; identification of pathogenic bacteria; 16S ribosomal RNA; 16S rRNA; PCR; primer; ss.	
XX	Bacteriaceae.	
PN	US2002164610-A1.	
PD	07-NOV-2002.	
PPF	01-NOV-2001; 2001US-00001048.	
PRP	05-JUN-1995; 95US-00461210.	
PA	(LEGG//) LEGGETT C G. (WHIT//) WHITEHOUSE E. (REEV//) REEVES R H.	
XPI	Leggett CG, Whitehouse E, Reeves RH;	
DR	WPI; 2003-247254/24.	
TPT	Typing cell by amplifying nucleic acid from cells of unknown type having nucleic acid forming portion of cell's genome, digesting and separating product to generate pattern, comparing pattern with known cell pattern.	
XX	Disclosure; Page 3; 24pp; English.	
COC	The present invention relates to a method for typing a cell. The method comprises (a) providing a cell of unknown type having a nucleic acid forming a portion of the cell's genome such as intergene region (IGR)1, IGR2, or external transcribed space (EIS)1 or ETS2, (b) isolating the nucleic acid NA from the unknown cell type, amplifying the nucleic acid by PCR, digesting the PCR product, separating the fragments to generate a restriction pattern, and comparing the restriction pattern obtained with the restriction pattern of a cell of known type. The method is useful for typing a cell e.g. a prokaryotic cell (bacterium) or eukaryotic cell. The method is particularly useful for identifying different bacterial strains involved in nosocomial infections, for detecting differences between bacterial isolates of the same species' and for identifying species' such as pedigrees'. The method is useful for individuals of the subspecies, between species, subspecies and strains of prokaryotic organisms and individuals of subspecies of higher life forms. The method of the invention is rapid and semi-automated. It is more definitive than currently practiced methodologies, allows the quantitative analysis of DNA fragments in just a few hours, as opposed to the lengthy turnaround time associated with the methods of Southern hybridisation and Dot Blots, and allows rapid strain identification of pathogenic bacteria. ABX1117- ABX11125 represent universal PCR primers for amplifying prokaryotic 16S ribosomal RNA (rRNA) genes	
Sequence	15 BP; 6 A; 2 C; 5 G; 2 T; 0 U; 0 Other;	

```

Db      1 CTTTWTCTCTCT 15
RESULT 1356
ID      ACA0939/c
XX      ACA0939 standard; RNA; 15 BP.
XX      ACA0939;
XX
XX      Query Match      13.4%; Score 9.8; DB 1; Length 15;
DT      03-JUN-2003 (first entry)
XX      Best Local Similarity 84.6%; Pred. No. 1.2e+03;
DE      Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX      Necrosis factor kappa B sub-unit modulating enzyme target #132.
XX      Enzymatic nucleic acid; nuclear factor kappa B; NFkB; inozyme; zinzyme;
KW      G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human;
KW      lung cancer; prostate cancer; colorectal cancer; brain cancer;
KW      oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer;
KW      cervical cancer; head and neck cancer; ovarian cancer; melanoma;
KW      lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor;
KW      chemotherapy; paclitaxel; docetaxel; cisplatin; methotrexate;
KW      cyclophosphamide; doxorubicin; fluorouracil carboplatin; edatrexate;
KW      gencitabine; radiation therapy; inflammatory disease; asthma; diabetes;
KW      rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemia;
KW      gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis;
KW      transplant/graft rejection; reperfusion injury; glomerulonephritis;
KW      allergic airway inflammation; inflammatory bowel disease; infection; ss.
XX      Homo sapiens.
OS
XX
XX      US20002177568-A1.
XX
XX      28-NOV-2002.
XX
XX      23-MAY-2001; 2001US-00864785.
XX
XX      07-DEC-1992; 92US-00987132.
XX      18-MAY-1994; 94US-00245466.
XX      15-AUG-1994; 94US-00291932.
XX      23-DEC-1996; 96US-0077916.
XX
XX      (STIN/) STINCHOMB D T.
PA      (MCSW/) MCSWIGGEN J.
PA      (DRAP/) DRAPER K G.
XX
XX      Stinchcomb DT, Mcswiggen J, Draper KG;
XX      WPI; 2003-340953/32.
XX
XX      Novel enzymatic nucleic acid molecules which down regulates expression of
XX      a sequence encoding a subunit of nuclear factor kappa B useful for
XX      treating cancer, inflammatory disorders and autoimmune diseases.
XX
XX      Claim 3; Page 64; 72pp; English.
XX
XX      The invention describes an enzymatic nucleic acid molecule (I) which down
XX      regulates expression of a sequence encoding a subunit of nuclear factor
XX      kappa B (NFkB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme
XX      configuration. The enzymatic nucleic acid molecule is adapted to treat
XX      cancer and is useful for down-regulating REL-A activity in a cell, for
XX      treating a patient having a condition associated with the level of REL-A.
XX      (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in
XX      the presence of a divalent cation, especially Mg2+. The enzymatic and
XX      antisense nucleic acid molecules are useful for treating breast, lung,
XX      prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic,
XX      cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or
XX      multidrug resistant cancer. The method involves use of other drug
XX      therapies such as monoclonal antibodies, REL-A-specific inhibitors or
XX      chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,
XX      cyclophosphamide, doxorubicin, fluorouracil carboplatin, edatrexate,
XX      gencitabine or radiation therapy. The enzymatic and antisense nucleic
XX      acid molecules are also useful for treating inflammatory disease such as
XX      rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes,

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CC      obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft
CC      rejection, gene therapy applications, ischaemia/reperfusion injury
CC      (central nervous system (CNS) and myocardial), glomerulonephritis
CC      sepsis, allergic airway inflammation, inflammatory bowel disease or
CC      infection. This sequence represents the substrate of a novel enzymatic
CC      nucleic acid molecule
XX
XX      Sequence 15 BP; 5 A; 3 C; 6 G; 0 T; 1 U; 0 Other;
XX
XX      Query Match      13.4%; Score 9.8; DB 1; Length 15;
XX      Best Local Similarity 84.6%; Pred. No. 1.2e+03;
XX      Matches 11; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
XX
XX      QY      931 TCCCTCCTCTTCA 943
XX      DB      13 TCCCGCTTCTTCA 1
XX
XX      RESULT 1357
XX      ACDS6199
XX      ID      ACDS6199 standard; RNA; 15 BP.
XX      AC      ACDS6199;
XX      AC      ACDS6199;
XX      DT      24-SEP-2003 (first entry)
XX      DE      HBV enzymatic nucleic acid substrate sequence #88.
XX      KW      Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
XX      RNA stability; RNA expression; RNA synthesis; antisense;
XX      enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;
XX      amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
XX      HBV reverse transcriptase; Enhancer I region; viral replication;
XX      degenerative; disease state; HBV infection; HCV infection; cirrhosis;
XX      liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
XX      virucide; antiinflammatory; substrate; ss.
XX
XX      Hepatitis B virus.
OS
XX      WO200281494-A1.
XX      17-OCT-2002.
XX
XX      26-MAR-2002; 2002WO-US009187.
XX
XX      26-MAR-2001; 2001US-00817879.
XX      08-JUN-2001; 2001US-00877478.
XX      08-JUN-2001; 2001US-0296876P.
XX      24-OCT-2001; 2001US-0335059P.
XX      05-DEC-2001; 2001US-0337055P.
XX
XX      (RIBO-) RIBOZYME PHARM INC.
XX      (BLAT/) BLATT L.
XX      (MACE/) MACEJAK D.
XX      (MCSW/) MCSWIGGEN J.
XX      (MORR/) MORRISSEY D.
XX      (PAVC/) PAVCO P.
XX      (LEEP/) LEE P.
XX      (DRAP/) DRAPER K.
XX      (ROBE/) ROBERTS B.
XX
XX      Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;
XX      Draper K, Roberts E;
XX      WPI; 2003-229207/22.
XX
XX      Novel compound useful for treating cirrhosis, liver failure,
XX      hepatocellular carcinoma, or condition associated with hepatitis C virus
XX      infection.
XX
XX      Example 1; Page 214; 387pp; English.
XX
XX      The present invention relates to nucleic acid molecules which modulate

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CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or  
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense  
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,  
 CC inozymes, zinzymes, amberyms, and G-cleaver ribozymes. Also disclosed  
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse  
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well  
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV  
 CC DNA. The nucleic acids may be used to modulate the expression of HBV  
 CC genes and HBV viral replication. Also disclosed is a method for screening  
 CC compounds and/or potential therapies directed against HBV, and compounds  
 CC that modulate the expression and/or replication of HCV. The compounds and  
 CC methods of the invention are useful for the treatment of degenerative and  
 CC disease states related to HBV and HCV infection, replication and gene  
 CC expression such as cirrhosis, liver failure, and hepatocellular  
 CC carcinoma. The present sequence represents a substrate for one of the HBV  
 CC enzymatic nucleic acid sequences disclosed in the present invention  
 XX  
 XX Sequence 15 BP; 2 A; 5 C; 2 G; 0 T; 6 U; 0 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 38.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;  
 QY 929 TATCCCTCCTCTT 941  
 DB 3 UAUGCCUACUUCU 15  
 AC ACD56425;  
 XX 24-SEP-2003 (first entry)  
 XX HBV enzymatic nucleic acid substrate sequence #150.  
 XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;  
 KW RNA stability; RNA expression; RNA synthesis; antisense;  
 KW enzymatic nucleic acid; hammerhead ribozyme; DNazyme; inozyme; zinzyme;  
 KW amberyms; G-cleaver ribozyme; decoy molecule; aptamer;  
 KW HBV reverse transcriptase; Enhancer I region; viral replication;  
 KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;  
 KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;  
 KW virucide; antiinflammatory; substrate; ss.  
 XX  
 OS Hepatitis B virus.  
 XX  
 XX WO200281494-A1.  
 XX 17-OCT-2002.  
 XX  
 XX 26-MAR-2002; 2002WO-US009187.  
 XX  
 XX 26-MAR-2001; 2001US-00817879.  
 PR 08-JUN-2001; 2001US-00877478.  
 PR 08-JUN-2001; 2001US-0296876P.  
 PR 24-OCT-2001; 2001US-0335059P.  
 PR 05-DEC-2001; 2001US-0337035P.  
 XX (RIBO-) RIBOZYME PHARM INC.  
 PA (BLAT/) BLATT L.  
 PA (MACE/) MACEJAK D.  
 PA (MCSW/) MCSWIGGEN J.  
 PA (MORR/) MORRISSEY D.  
 PA (PAVC/) PAVCO P.  
 PA (LEEP/) LEE P.  
 PA (DRAP/) DRAPER K.  
 PA (ROBE/) ROBERTS E.  
 XX Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;  
 PI Draper K, Roberts E;

XX  
 DR WPI; 2003-229207/22.  
 XX Novel compound useful for treating cirrhosis, liver failure,  
 PT hepatocellular carcinoma, or condition associated with hepatitis C virus  
 PT infection.  
 XX  
 XX Example 1; Page 219; 387pp; English.  
 XX The present invention relates to nucleic acid molecules which modulate  
 CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or  
 CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense  
 CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,  
 CC inozymes, zinzymes, amberyms, and G-cleaver ribozymes. Also disclosed  
 CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse  
 CC transcriptase and/or HBV reverse transcriptase primer sequences, as well  
 CC as oligonucleotides that specifically bind the Enhancer I region of HBV  
 CC DNA. The nucleic acids may be used to modulate the expression of HBV  
 CC genes and HBV viral replication. Also disclosed is a method for screening  
 CC compounds and/or potential therapies directed against HBV, and compounds  
 CC that modulate the expression and/or replication of HCV. The compounds and  
 CC methods of the invention are useful for the treatment of degenerative and  
 CC disease states related to HBV and HCV infection, replication and gene  
 CC expression such as cirrhosis, liver failure, and hepatocellular  
 CC carcinoma. The present sequence represents a substrate for one of the HBV  
 CC enzymatic nucleic acid sequences disclosed in the present invention  
 XX  
 XX Sequence 15 BP; 0 A; 6 C; 3 G; 0 T; 6 U; 0 Other;  
 Query Match 13.4%; Score 9.8; DB 1; Length 15;  
 Best Local Similarity 38.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 2; Indels 0; Gaps 0;  
 QY 917 GTCCTTGCCCTTT 929  
 DB 2 GUCUGGCUUCU 14  
 AC AAD51625  
 XX AAD51625 standard; DNA; 15 BP.  
 AC AAD51625;  
 XX 16-APR-2003 (first entry)  
 DT Human CYP2E gene polymorphism detecting ASO probe #4.  
 DE Human CYP2E gene polymorphism detecting ASO probe #4.  
 XX  
 XX Human; cytochrome P450 subfamily IIE; CYP2E protein; haplotyping;  
 KW genotyping; gene therapy; cancer; allele-specific oligonucleotide; ASO;  
 KW polymorphism; probe; ss.  
 XX Homo sapiens.  
 OS  
 XX WO200290597-A1.  
 XX  
 XX 14-NOV-2002.  
 XX  
 XX 07-MAY-2002; 2002WO-US014540.  
 XX  
 XX 07-MAY-2001; 2001US-0289330P.  
 XX (GENA-) GENAISANCE PHARM INC.  
 XX  
 XX Anastasio AE, Chew A, Gilson CR, Koshy B, Sausker EA;  
 WPI; 2003-120563/11.  
 XX New genetic variants comprising haplotypes of the cytochrome P450,  
 PT subfamily IIE (CYP2E) gene, useful for screening drugs for treating  
 PT cancer, validating CYP2E protein as a drug target, or reducing bias in  
 PT clinical trials of such drugs.

PS Claim 37; Page 15; 94pp; English.

XX The invention relates to genetic variants of human cytochrome P450,  
CC subfamily IIE (CYP2E) gene. The invention also relates to compositions  
CC and methods for haplotyping and/or genotyping the CYP2E gene in an  
CC individual. The polynucleotide comprising polymorphisms in the CYP2E gene  
CC are useful in screening candidate drugs to treat diseases related to  
CC CYP2E activity, e.g. cancer. The methods and haplotypes are useful in  
CC improving the efficiency of drug discovery and development processes, or  
CC for designing clinical trials of candidate drugs for treating the  
CC specific condition or disease. The polymorphisms and haplotypes of CYP2E  
CC gene are useful for validating whether CYP2E is a suitable target for  
CC drugs to treat cancer and disorders associated with impaired protein  
CC synthesis in cells, screening for drugs and reducing bias in clinical  
CC trials of the drugs. The invention is also useful in gene therapy. The  
CC present sequence is an allele-specific oligonucleotide (ASO) probe used  
CC to detect human CYP2E gene polymorphisms

XX Sequence 15 BP; 2 A; 5 C; 2 G; 5 T; 0 U; 1 Other;

Query Match 13.4%; Score 9.8; DB 1; Length 15;  
Best Local Similarity 73.3%; Pred. No. 1.2e+03;  
Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 922 TGCCTTTTATCCCTC 936

DB 1 TGCCTGTAAACCTC 15

RESULT 1360

ABF75857/C

ID ABF75857 standard; DNA; 13 BP.

AC ABF75857;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 175854 for detecting SNP TSC0043670.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 175854; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 13.2%; Score 9.6; DB 1; Length 13;  
Best Local Similarity 90.0%; Pred. No. 1.2e+03;  
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTATC 958

DB 10 TTAATGTATY 1

RESULT 1361

ABF75856

ID ABF75856 standard; DNA; 13 BP.

AC ABF75856;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 175853 for detecting SNP TSC0043670.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 175853; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 1 Other;

Query Match 13.2%; Score 9.6; DB 1; Length 13;  
Best Local Similarity 90.0%; Pred. No. 1.2e+03;  
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTATC 958

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Db          4 TTAATGTATY 13
RESULT 1362
ABC23499/c
ID ABC23499 standard; DNA; 13 BP.
XX
XX AC ABC23499;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 23516 for detecting SNP TSC0005018.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 182140; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 13.2%; Score 9.6; DB 1; Length 13;
XX Best Local Similarity 90.0%; Pred. No. 1.2e+03;
XX Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 949 TTAATGTATC 958
XX
XX DB 10 TTAATGTATY 1
XX
XX RESULT 1363
ABF82143/c
ID ABF82143 standard; DNA; 13 BP.
XX
XX AC ABF82143;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 182140 for detecting SNP TSC0045025.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
```

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 182139; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 1 Other;  
 Query Match 13.2%; Score 9.6; DB 1; Length 13;  
 Best Local Similarity 90.0%; Pred No. 1.2e+03;  
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 QY 948 TTTAATGTAT 957  
 DB 4 TTTAATGTAT 13  
 RESULT 1365  
 ABF70276  
 ID ABF70276 standard; DNA; 13 BP.  
 AC ABF70276;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 170273 for detecting SNP TSC0008613.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 170273; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 1 Other;  
 Query Match 13.2%; Score 9.6; DB 1; Length 13;  
 Best Local Similarity 90.0%; Pred No. 1.2e+03;  
 Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 QY 949 TTAATGTATC 958  
 DB 4 TTAATGTATC 13  
 RESULT 1366  
 ABC23498  
 ID ABC23498 standard; DNA; 13 BP.  
 XX  
 XX ABC23498;  
 XX  
 XX 20-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 23515 for detecting SNP TSC0005018.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 23515; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

```
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 13.2%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTATC 958
|||||
4 TTAATGTATY 13

RESULT 1367
ABF70277/C
ID ABF70277 standard; DNA; 13 BP.
AC ABF70277;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 170274 for detecting SNP TSC0008613.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 170274; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;
Query Match 13.2%; Score 9.6; DB 1; Length 13;
Best Local Similarity 90.0%; Pred. No. 1.2e+03;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTATC 958
|||||
10 TTAATGTATY 1

RESULT 1368
AAZ18749
ID AAZ18749 standard; DNA; 11 BP.
AC AAZ18749;
XX
XX 22-OCT-1999 (first entry)
XX
XX Murine C57BL/6 SAGE tag 1568982.
XX
XX Wound healing; non-MRL healer mouse; quantitative trait locus; QTL;
KW healing response; microsatellite marker; treatment; central nerve;
KW peripheral nerve; nerve injury; SAGE tag; murine; ss.
XX
XX Mus sp.
XX
XX WO9941364-A2.
XX
XX 19-AUG-1999.
XX
XX 12-FEB-1999; 99WO-US002962.
XX
XX 13-FEB-1998; 98US-0074737P.
XX
XX 26-AUG-1998; 98US-0097937P.
XX
XX 28-SEP-1998; 98US-0102051P.
XX
XX (WIST-) WISTAR INST.
XX
XX Heber-Katz E;
XX
XX WPI; 1999-494533/41.
XX
XX New mammalian model for enhanced wound healing - useful for identifying
PT enhanced wound healing genes.
XX
XX Claim 13; Page 56; 136pp; English.
XX
XX This invention describes a novel non-MRL healer mouse (M) having at least
CC one quantitative trait locus selected from those given in the
CC specification, exhibiting an enhanced healing response to a wound
CC compared to mice (m) without the locus. The invention describes a novel
CC method of identifying a gene involved in enhanced wound healing by
CC identifying DNA microsatellite markers which can distinguish healer mice
CC from non-healer mice and identifying microsatellite markers which
CC segregate with enhanced wound healing in progeny of the mice, where a
CC chromosomal locus containing at least one enhanced wound healing gene is
CC identified. A method of treating a wound in a mammal is also disclosed.
CC The new methods are useful for treating wounds, especially central and
CC peripheral nerve wound. The methods of the invention are useful for
CC restoring function after nerve injury in a mammal. (M) is useful as a
CC mammalian model of enhanced wound healing, useful for identifying genes
CC and gene products involved in enhanced wound healing, and to provide
CC methods for wound healing. AAZ18691-219036 represent murine SAGE tags
CC from C57BL/6 and MRL mice which are used to illustrate the method of the
CC invention
XX
XX Sequence 11 BP; 2 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934
|||||
1 CCTTTAATCCC 11

RESULT 1369
AAZ18969
ID AAZ18969 standard; DNA; 11 BP.
AC AAZ18969;
XX
XX 22-OCT-1999 (first entry)
XX
```

DE Murine MRL SAGE tag 1568982.  
 XX Wound healing; non-MRL healer mouse; quantitative trait locus; QTL;  
 KW healing response; microsatellite marker; treatment; central nerve;  
 KW peripheral nerve; nerve injury; SAGE tag; murine; ss.  
 XX Mus sp.  
 XX WO9941364-A2.  
 PN 19-AUG-1999.  
 PD 12-FEB-1999; 99WO-US002962.  
 PF 13-FEB-1998; 98US-0074737P.  
 PR 26-AUG-1998; 98US-0097937P.  
 PR 28-SEP-1998; 98US-0102051P.  
 XX (WIST-) WISTAR INST.  
 PA Heber-Katz E;  
 PI WPI; 1999-494533/41.  
 DR New mammalian model for enhanced wound healing - useful for identifying  
 PT enhanced wound healing genes.  
 PT Claim 13; Page 73; 136pp; English.  
 PS This invention describes a novel non-MRL healer mouse (M) having at least  
 XX one quantitative trait locus selected from those given in the  
 CC specification, exhibiting an enhanced healing response to a wound  
 CC compared to mice (m) without the locus. The invention describes a novel  
 CC method of identifying a gene involved in enhanced wound healing by  
 CC identifying DNA microsatellite markers which can distinguish healer mice  
 CC from non-healer mice and identifying microsatellite markers which  
 CC segregate with enhanced wound healing in progeny of the mice, where a  
 CC chromosomal locus containing at least one enhanced wound healing gene is  
 CC identified. A method of treating a wound in a mammal is also disclosed.  
 CC The new methods are useful for treating wounds, especially central and  
 CC peripheral nerve wound. The methods of the invention are useful for  
 CC restoring function after nerve injury in a mammal. (M) is useful as a  
 CC mammalian model of enhanced wound healing, useful for identifying genes  
 CC and gene products involved in enhanced wound healing, and to provide  
 CC methods for wound healing. AA218691-Z19036 represent murine SAGE tags  
 CC from C57BL/6 and MRL mice which are used to illustrate the method of the  
 CC invention  
 XX Sequence 11 BP; 2 A; 5 C; 0 G; 4 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 924 CCTTTTATCCC 934  
 DB 1 CCTTTTATCCC 11  
 RESULT 1370  
 AA232222  
 ID AA232222 standard; DNA; 11 BP.  
 XX AA232222;  
 AC AA232222;  
 DT 13-JAN-2000 (first entry)  
 XX Repetitive sequence DNA oligonucleotide target site.  
 DE Chinese hamster; Sp5; mutant; site specific genetic recombination;  
 KW repeat; ss.  
 XX Synthetic.  
 OS

XX WO9953048-A1.  
 XX 21-OCT-1999.  
 PD 08-APR-1999; 99WO-SE000573.  
 PF 08-APR-1998; 98SE-00001245.  
 PR (GENO-) GENOTOX TESTING & CONSULTING HB.  
 XX Jensen D, Helleday T;  
 PI WPI; 1999-620423/53.  
 DR New polynucleotides isolated from the hamster Sp5 clone.  
 PT Claim 3; Page 14; 23pp; English.  
 PS The present invention describes a polynucleotide (I) of 956 base pairs  
 XX (bp), given in the specification. The polynucleotide, especially the 5'-  
 CC TCTTT T TCTTT-3', sequence (II), is useful for site specific  
 CC recombination, and introducing and removing desired genes into mammalian  
 CC cells. (II) is also useful for transgenic work and as a recombination  
 CC target site. The polynucleotide sequence is recognised by endogenously  
 CC expressed mammalian protein(s) that initiate a novel type of site-  
 CC specific recombination in mammalian cells. (I) represents a DNA fragment  
 CC from a hamster Sp5 clone  
 XX Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 DB 1 TCTTTTCTTT 11  
 RESULT 1371  
 AA214920  
 ID AA214920 standard; DNA; 11 BP.  
 XX AA214920;  
 AC AA214920;  
 DT 24-MAR-1999 (first entry)  
 XX Triple helix forming nucleotides 997-1007 of 23S rRNA gene.  
 DE Triple-helix forming region; Triplex formation; DNA detection;  
 KW identification; bacteria; oncogene; virus; ds.  
 XX Corynebacterium renale.  
 OS US5861244-A.  
 PN 19-JAN-1999.  
 PD 22-DEC-1993; 93US-00173489.  
 PF 29-OCT-1992; 92US-00968436.  
 PR (PROF-) PROFILE DIAGNOSTIC SCI INC.  
 XX Hepburn AG, Wang C;  
 PI WPI; 1999-130384/11.  
 DR Assay of genetic sequences based on triplex formation from double  
 XX stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.



XX Disclosure; Col 23-24; 168pp; English.

XX The present sequence represents a potential triple-helix forming region.

CC It can be used to demonstrate the assay of the invention. The assay

CC comprises adding a sample containing double-stranded DNA test sequences,

CC e.g. containing the present sequence, to an aqueous medium containing at

CC least one complex of anchor DNA, attached to a solid support, and

CC reporter DNA, where either a part of the anchor DNA or reporter DNA is

CC designed to form a triple-strand structure with part of the test

CC sequence. Triplex formation results in displacement of the reporter DNA

CC which is detected as an indication of the presence of the DNA test

CC sequence. The method is used to detect DNA sequences, particularly for

CC identification of bacteria (by detecting genes for ribosomal RNA) in

CC clinical samples, but also detection of oncogenes and Hepatitis B virus

XX

SQ Sequence 11 BP; 0 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 918 TCTTGCCTTT 928

Db 1 TCTTGCCTTT 11

RESULT 1372

AAF56202/c

ID AAF56202 standard; DNA; 11 BP.

XX

AC AAF56202;

XX

DT 12-APR-2001 (first entry)

XX

DE DNA binding protein recognition sequence #2.

XX

XX DNA-binding; RNA polymerase; transcription; ss.

XX Unidentified.

XX

XX WO200100817-A1.

XX

XX 04-JAN-2001.

XX

XX 22-JUN-2000; 2000WO-IB000897.

XX

XX 24-JUN-1999; 99US-00344300.

XX

XX (DNAB-) DNAB DIAGNOSTICS INC.

XX

XX Morgan AR, Severini A;

XX

XX WPI; 2001-112451/12.

XX

XX Novel recombinant plasmid useful for determining the activity of DNA

PT binding protein, and for detecting the activity of RNA polymerases in

PT initiating transcription.

XX

PS Disclosure; Page 20-24; 98pp; English.

XX

CC The present invention relates to a recombinant plasmid comprising a

CC region with a nucleotide sequence capable of specifically binding to a

CC sequence-specific DNA-binding molecule, a region with a nucleotide

CC sequence capable of binding to a restriction enzyme and a restriction

CC site for a restriction enzyme. The invention is useful for detecting the

CC presence of initiation of transcription activity by RNA polymerase and

CC for detecting the presence of sequence-specific DNA binding molecules

XX

SQ Sequence 11 BP; 5 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CCTTTATCCC 934

Db 11 CCTTTATACC 1

RESULT 1373

AAF75228

ID AAF75228 standard; DNA; 11 BP.

XX

AC AAF75228;

XX

DT 09-MAY-2001 (first entry)

XX

DE Human RXR binding element, SEQ ID NO: 28.

XX

XX Human; peroxisome proliferator-activator receptor delta; PPARdelta; RXR;

KW cytosolic; nontropic; neuroprotective; anti-HIV; cardiant;

KW cerebroprotective; vasotropic; antiulcer; immunosuppressive;

KW nephrotropic; antibacterial; antiviral; antifungal; protozoacide;

KW non-steroidal anti-inflammatory disease; NSAID; infection;

KW Alzheimer's disease; AIDS; muscle wasting disease; autoimmune disease;

KW binding element; ds.

XX

XX Homo sapiens.

XX

XX WO200112858-A1.

XX

XX 22-FEB-2001.

XX

XX 16-AUG-2000; 2000WO-US022411.

XX

XX 16-AUG-1999; 99US-0148701P.

PR

XX 15-AUG-2000; 2000US-00638623.

XX

XX (UYJO ) UNIV JOHNS HOPKINS.

XX

XX He T, Kinzler KW, Vogelstein B;

XX

XX WPI; 2001-211236/21.

XX

XX Novel subgenomic polynucleotide having peroxisome proliferator-activator

PT receptor proliferator (PPAR-delta) and RXR binding elements used to

PT identify downregulators of PPAR-delta transcriptional activity.

XX

XX Claim 1; Fig 3A; 70pp; English.

XX

XX The present sequence is provided in a specification relating to an

CC isolated subgenomic polynucleotide comprising a peroxisome proliferator-

CC activator receptor (PPAR)delta binding element and an RXR binding

CC element. The polynucleotide is useful for identifying potential

CC therapeutic agents for cancer treatment and for ameliorating negative

CC side effects of non-steroidal anti-inflammatory diseases (NSAIDs). Test

CC compounds which increase transcription of PPARdelta protein, PPARdelta

CC protein binding to a PPARdelta binding element, or expression of a

CC reporter gene which is under the control of a PPARdelta binding element,

CC are identified. These are candidates for use in encouraging cell

CC proliferation or preventing cell apoptosis in a disease state such as

CC Alzheimer's disease, AIDS, muscular dystrophy, amyotrophic lateral

CC sclerosis, or other muscle wasting diseases, autoimmune diseases, heart

CC attack, stroke, ischemic heart disease, kidney failure, septic shock, or

CC a disease in which the cell is infected with a pathogen, such as a virus,

CC bacterium, fungus, mycoplasma, or protozoan, to promote healing of the

CC stomach or intestines, or to ameliorate negative side effects of NSAIDs,

CC such as gastric and intestinal ulceration

XX

SQ Sequence 11 BP; 2 A; 3 C; 2 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
QY 900 CCTGGTCAATT 910
Db 1 CCTGGTCAATT 11

RESULT 1374
ABQ86319
ID ABQ86319 standard; cDNA; 11 BP.
XX
AC ABQ86319;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 74.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS Claim 8; Page 40; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934
Db 1 CCTGTATCCC 11

RESULT 1375
ABQ87327
ID ABQ87327 standard; cDNA; 11 BP.
XX
AC ABQ87327;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 1082.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.

QY 900 CCTGGTCAATT 910
Db 1 CCTGGTCAATT 11

RESULT 1374
ABQ86319
ID ABQ86319 standard; cDNA; 11 BP.
XX
AC ABQ86319;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 74.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS Claim 8; Page 40; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934
Db 1 CCTGTATCCC 11

RESULT 1375
ABQ87327
ID ABQ87327 standard; cDNA; 11 BP.
XX
AC ABQ87327;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 1082.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
```

```
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS Claim 8; Page 82; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 911 TCTTTGCTCTT 921
Db 1 TCTTTGCTCTT 11

RESULT 1376
ABQ86887
ID ABQ86887 standard; cDNA; 11 BP.
XX
AC ABQ86887;
XX
DT 10-SEP-2002 (first entry)
XX
DE Human skin stress/ageing related EST SEQ ID NO 642.
XX
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253773-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015178.
XX
PR 03-JAN-2001; 2001DE-01000121.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS Claim 8; Page 82; 325pp; German.
XX
CC The invention relates to identifying (M1) genes in vitro that, in humans
CC or animals, are important for skin ageing and/or skin stress by serial
CC analysis of gene expression between mixtures of transcribed and
CC optionally translated, genetically encoded factors (A) obtained from
CC young and aged skin, to identify that genes that show strong differential
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is
CC useful for: identifying markers of skin ageing and/or stress; determining
CC skin ageing and/or stress; and identifying or determining the effects of
CC pharmaceutical or cosmetic agents for control of skin ageing. The present
CC sequence is one of a group of human skin ageing/stress related expressed
CC sequence tags (ABQ86246-ABQ87680) of the invention
XX
SQ Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
```

CC sequence is one of a group of human skin ageing/stress related expressed  
CC sequence tags (ABQ86246-ABQ87680) of the invention  
XX  
SQ Sequence 11 BP; 7 A; 1 C; 1 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps  
C

QY 906 CATTTCCTTTG 916  
|||||  
DB 11 CATTTATTG 1

RESULT 1378  
AEQ87035/C  
ID AEQ87035 standard; cDNA; 11 BP.  
XX  
AC ABQ87035;  
XX  
DT 10-SEP-2002 (first entry)  
XX  
DE Human skin stress/ageing related EST SEQ ID NO 790.  
XX  
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.  
XX  
CS Homo sapiens.  
XX  
PN WO200253773-A2.  
XX  
PD 11-JUL-2002.  
XX  
PF 20-DEC-2001; 2001WO-EP015178.  
XX  
PR 03-JAN-2001; 2001DE-01000121.  
XX  
PA (HENK ) HENKEL KGNA.  
XX  
PI Petersohn D, Conradt M, Hofmann K;  
XX  
WP 1; 2002-528865/56.  
XX  
PT Identifying genes involved in skin stress and aging, useful e.g. in  
PT screening for cosmetic or therapeutic agents, based on differential gene  
PT expression.  
XX  
PS Claim 8; Page 70; 325pp; German.  
XX  
CC The invention relates to identifying (M1) genes in vitro that, in humans  
CC or animals, are important for skin ageing and/or skin stress by serial  
CC analysis of gene expression between mixtures of transcribed and  
CC optionally translated, genetically encoded factors (A) obtained from  
CC young and aged skin, to identify that genes that show strong differential  
CC expression. (A) comprises protein or mRNAs or their fragments. (M1) is  
CC useful for: identifying markers of skin ageing and/or stress; determining  
CC skin ageing and/or stress; and identifying or determining the effects of  
CC pharmaceutical or cosmetic agents for control of skin ageing. The present  
CC sequence is one of a group of human skin ageing/stress related expressed  
CC sequence tags (ABQ86246-ABQ87680) of the invention  
XX  
SQ Sequence 11 BP; 8 A; 1 C; 1 G; 1 T; 0 U; 0 Other;

```

Query Match      12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps

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ID ABV65020 standard; cDNA; 11 BP.
XX AC ABV65020;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 2806.
XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX PN WO200253774-A2.
XX PD 11-JUL-2002.
XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX WPI; 2002-590638/63.
XX In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against
XX e.g. skin cancer.
XX PS Disclosure; Page 103; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX SQ Sequence 11 BP; 6 A; 2 C; 2 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 910 TTCATTGGTCT 920
XX DB 11 TTCATTGGTCT 1
XX RESULT 1380
XX ABV66616/c
XX ID ABV66616 standard; cDNA; 11 BP.
XX AC ABV66616;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 4402.
XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.

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XX WO200253774-A2.
XX PN 11-JUL-2002.
XX PD 20-DEC-2001; 2001WO-EP015179.
XX PF 03-JAN-2001; 2001DE-01000127.
XX PR (HENK ) HENKEL KGAA.
XX PA Petersohn D, Conradt M, Hofmann K;
XX PI WPI; 2002-590638/63.
XX DR In vitro identification of skin-expressed genes, useful for determining
XX homeostasis and identifying cosmetic or pharmaceutical agents against
XX e.g. skin cancer.
XX PS Disclosure; Page 146; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX in the skin of humans or animals by subjecting a mixture of genetically
XX encoded factors from skin, to serial analysis of gene expression (SAGE)
XX so as to identify skin-expressed genes and quantify their expression.
XX (M1) is useful for identifying genes involved in skin homeostasis; to
XX determine skin homeostasis and to test agent (A) that maintains or
XX promotes skin homeostasis or that can be used for treating skin
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX skin. The present sequence is that of a human expressed sequence tag
XX (EST) of the invention
XX SQ Sequence 11 BP; 8 A; 0 C; 2 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 11;
XX Best Local Similarity 90.9%; Pred No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 921 TTCCTTTTAT 931
XX DB 11 TTCCTTTTAT 1
XX RESULT 1381
XX ABV69524/c
XX ID ABV69524 standard; cDNA; 11 BP.
XX AC ABV69524;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 7310.
XX KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX PN WO200253774-A2.
XX PD 11-JUL-2002.
XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX OS

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DR WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX  
PS Disclosure; Page 229; 1345pp; German.  
XX  
CC The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
SQ Sequence 11 BP; 5 A; 3 C; 3 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 917 GTCCTGCTT 927  
DB 11 GTCCTGCTT 1  
  
RESULT 1383  
ABV67218/C  
ID ABV67218 standard; cDNA; 11 BP.  
AC ABV67218;  
XX  
XX 21-OCT-2002 (first entry)  
DE Human skin EST 5004.  
XX  
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX  
XX 11-JUL-2002.  
XX  
XX 20-DEC-2001; 2001WO-EP015179.  
XX  
XX 03-JAN-2001; 2001DE-01000127.  
XX  
XX (HENK ) HENKEL KGAA.  
XX  
XX Petersohn D, Conradt M, Hofmann K;  
XX  
XX WPI; 2002-590638/63.  
XX  
XX WO200253774-A2.  
XX  
XX 11-JUL-2002.  
XX  
XX 20-DEC-2001; 2001WO-EP015179.  
XX  
XX 03-JAN-2001; 2001DE-01000127.  
XX  
XX (HENK ) HENKEL KGAA.  
XX  
XX Petersohn D, Conradt M, Hofmann K;  
XX  
XX WPI; 2002-590638/63.  
XX  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX  
PS Disclosure; Page 163; 1345pp; German.  
XX  
CC The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to

CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
SQ Sequence 11 BP; 7 A; 1 C; 1 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 906 CATTTTCTTGG 916  
DB 11 CATTTTCTTGG 1  
  
RESULT 1383  
ABV67771  
ID ABV67771 standard; cDNA; 11 BP.  
XX  
XX ABV67771;  
AC  
XX 21-OCT-2002 (first entry)  
DT  
XX Human skin EST 5557.  
DE  
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX  
XX 11-JUL-2002.  
XX  
XX 20-DEC-2001; 2001WO-EP015179.  
XX  
XX 03-JAN-2001; 2001DE-01000127.  
XX  
XX (HENK ) HENKEL KGAA.  
XX  
XX Petersohn D, Conradt M, Hofmann K;  
XX  
XX WPI; 2002-590638/63.  
XX  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX  
PS Disclosure; Page 178; 1345pp; German.  
XX  
CC The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
SQ Sequence 11 BP; 0 A; 2 C; 1 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      919 CTTTGCCTTT 929
DB      1 CTTTGCCTTT 11

RESULT 1384
ABV68041/c
ID ABV68041 standard; cDNA; 11 BP.
XX
AC ABV68041;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 5827.
XX
KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
FN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 186; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 8 A; 1 C; 1 G; 1 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      920 TTTGCTTTA 930
DB      11 TTTGCTTTA 1

RESULT 1385
ABV62934
ID ABV62934 standard; cDNA; 11 BP.
XX
AC ABV62934;
XX
DT 21-OCT-2002 (first entry)
XX

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```

XX      Human skin EST 720.
DE
XX
XX      Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
FN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
PS WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 45; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 1 A; 2 C; 3 G; 5 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      901 CTGGTCATTT 911
DB      1 CTGGTCATTT 11

RESULT 1386
ABV64306/c
ID ABV64306 standard; cDNA; 11 BP.
XX
AC ABV64306;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 2092.
XX
KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
FN WO200253774-A2.
XX
PD 11-JUL-2002.
XX

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PF 20-DEC-2001; 2001WO-EP015179.  
XX  
PR 03-JAN-2001; 2001DE-01000127.  
XX  
PA (HENK ) HENKEL KGAA.  
XX  
PI Petersohn D, Conradt M, Hofmann K;  
XX  
DR WPI; 2002-590638/63.  
XX  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX  
PS Disclosure; Page 83; 1345pp; German.  
XX  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
SQ Sequence 11 BP; 9 A; 2 C; 0 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 908 TTTTCTTGGT 918  
DB 11 TTTTCTTGGT 1  
  
RESULT 1387  
ABV70355  
ID ABV70355 standard; cDNA; 11 BP.  
XX  
AC ABV70355;  
XX  
XX 21-OCT-2002 (first entry)  
XX  
XX Human skin EST 8141.  
XX  
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaeic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX  
XX 11-JUL-2002.  
XX  
XX 20-DEC-2001; 2001WO-EP015179.  
XX  
XX 03-JAN-2001; 2001DE-01000127.  
XX  
XX (HENK ) HENKEL KGAA.  
XX  
XX Petersohn D, Conradt M, Hofmann K;  
XX  
XX WPI; 2002-590638/63.  
XX  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.

XX Claim 24; Page 260; 1345pp; German.  
XX  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
SQ Sequence 11 BP; 1 A; 2 C; 3 G; 5 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 901 CTGGTCATTTT 911  
DB 1 CTGGTCATTTT 11  
  
RESULT 1388  
ABV63534/c  
ID ABV63534 standard; cDNA; 11 BP.  
XX  
AC ABV63534;  
XX  
XX 21-OCT-2002 (first entry)  
XX  
XX Human skin EST 1320.  
XX  
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaeic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX  
XX 11-JUL-2002.  
XX  
XX 20-DEC-2001; 2001WO-EP015179.  
XX  
XX 03-JAN-2001; 2001DE-01000127.  
XX  
XX (HENK ) HENKEL KGAA.  
XX  
XX Petersohn D, Conradt M, Hofmann K;  
XX  
XX WPI; 2002-590638/63.  
XX  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX  
XX Disclosure; Page 61; 1345pp; German.  
XX  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin.

CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention

SQ Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 936 CCTCTTCATTG 946  
 ||||| |||||  
 Db 11 CCTCTGCATTG 1

## RESULT 1389

ABV64234  
 ID ABV64234 standard; cDNA; 11 BP.

AC ABV64234;

XX 21-OCT-2002 (first entry)

DT Human skin EST 2020.

XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.

OS Homo sapiens.

XX WO200253774-A2.

PN 11-JUL-2002.

XX 20-DEC-2001; 2001WO-EP015179.

XX 03-JAN-2001; 2001DE-01000127.

XX (HENK ) HENKEL KGAA.

XX Petersohn D, Conradt M, Hofmann K;

XX WPI; 2002-590638/63.

XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.

XX Disclosure; Page 81; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention

SQ Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CCTTTATCC 934  
 ||||| |||||

Db 1 CCTGTATCC 11

## RESULT 1390

ABV65581/c  
 ID ABV65581 standard; cDNA; 11 BP.

XX AC ABV65581;

XX 21-OCT-2002 (first entry)

DT Human skin EST 3367.

XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.

OS Homo sapiens.

XX WO200253774-A2.

XX 11-JUL-2002.

XX 20-DEC-2001; 2001WO-EP015179.

XX 03-JAN-2001; 2001DE-01000127.

XX (HENK ) HENKEL KGAA.

XX Petersohn D, Conradt M, Hofmann K;

XX WPI; 2002-590638/63.

XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.

XX Disclosure; Page 118; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention

SQ Sequence 11 BP; 7 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTCTTT 915  
 ||||| |||||

Db 11 TCATATTTCTTT 1

## RESULT 1391

ABV66832  
 ID ABV66832 standard; cDNA; 11 BP.

XX AC ABV66832;

XX 21-OCT-2002 (first entry)

DT Human skin EST 4618.

XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;



KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX Homo sapiens.  
XX WO200253774-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015179.  
XX 03-JAN-2001; 2001DE-01000127.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Disclosure; Page 152; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
XX Sequence 11 BP; 0 A; 0 C; 4 G; 7 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTGTGCTTTG 923  
Db 1 TTGTGCTTTG 11  
RESULT 1392  
ABV68926/C  
ID ABV68926 standard; cDNA; 11 BP.  
XX  
XX ABV68926;  
XX 21-OCT-2002 (first entry)  
XX Human skin EST 6712.  
XX  
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015179.  
XX 03-JAN-2001; 2001DE-01000127.  
XX (HENK ) HENKEL KGAA.  
PA

XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Disclosure; Page 212; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX  
XX Sequence 11 BP; 6 A; 3 C; 0 G; 2 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 946 GGTTTAATGTA 956  
Db 11 GGTTTAATGTA 1  
RESULT 1393  
ABV70440  
ID ABV70440 standard; cDNA; 11 BP.  
XX  
XX ABV70440;  
XX 21-OCT-2002 (first entry)  
XX Human skin EST 8226.  
XX  
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX  
XX Homo sapiens.  
XX  
XX WO200253774-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015179.  
XX 03-JAN-2001; 2001DE-01000127.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Claim 24; Page 263; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically

CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX  
 SQ Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 911 TCATTGCTCTT 921  
 Db 1 TCATTGCTCTT 11  
 RESULT 1394  
 ABV62773  
 ID ABV62773 standard; cDNA; 11 BP.  
 XX  
 AC ABV62773;  
 XX  
 DT 21-OCT-2002 (first entry)  
 DE Human skin EST 559.  
 XX  
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;  
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200253774-A2.  
 XX  
 PD 11-JUL-2002.  
 XX  
 PF 20-DEC-2001; 2001WO-EP015179.  
 XX  
 PR 03-JAN-2001; 2001DE-01000127.  
 XX  
 PA (HENK ) HENKEL KGAA.  
 XX  
 PI Petersohn D, Conradt M, Hofmann K;  
 XX  
 PS WPI; 2002-590638/63.  
 XX  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX  
 PS Disclosure; Page 41; 1345pp; German.  
 XX  
 CC The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX  
 SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 911 TCATTGCTCTT 921  
 Db 1 TCATTGCTCTT 11  
 RESULT 1394  
 ABV62773  
 ID ABV62773 standard; cDNA; 11 BP.  
 XX  
 AC ABV62773;  
 XX  
 DT 21-OCT-2002 (first entry)  
 DE Human skin EST 559.  
 XX  
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;  
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200253774-A2.  
 XX  
 PD 11-JUL-2002.  
 XX  
 PF 20-DEC-2001; 2001WO-EP015179.  
 XX  
 PR 03-JAN-2001; 2001DE-01000127.  
 XX  
 PA (HENK ) HENKEL KGAA.  
 XX  
 PI Petersohn D, Conradt M, Hofmann K;  
 XX  
 PS WPI; 2002-590638/63.  
 XX  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX  
 PS Disclosure; Page 41; 1345pp; German.  
 XX  
 CC The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX  
 SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCCTTT 915  
 Db 1 TCATTTCCTTT 11  
 RESULT 1395  
 ABV68868  
 ID ABV68868 standard; cDNA; 11 BP.  
 XX  
 AC ABV68868;  
 XX  
 DT 21-OCT-2002 (first entry)  
 DE Human skin EST 6654.  
 XX  
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrheic;  
 XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200253774-A2.  
 XX  
 PD 11-JUL-2002.  
 XX  
 PF 20-DEC-2001; 2001WO-EP015179.  
 XX  
 PR 03-JAN-2001; 2001DE-01000127.  
 XX  
 PA (HENK ) HENKEL KGAA.  
 XX  
 PI Petersohn D, Conradt M, Hofmann K;  
 XX  
 PS WPI; 2002-590638/63.  
 XX  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX  
 PS Disclosure; Page 210; 1345pp; German.  
 XX  
 CC The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX  
 SQ Sequence 11 BP; 1 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCCTTT 915  
 Db 1 TCATTTCCTTT 11  
 RESULT 1396  
 ABV63019  
 ID ABV63019 standard; cDNA; 11 BP.  
 XX

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AC ABV63019;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 805.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 47; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
XX Sequence 11 BP; 0 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 911 TCTTTGGCTTT 921
Db 1 TCTTTGGCTTT 11
RESULT 1397
ABV6065
ID ABV66065 standard; cDNA; 11 BP.
XX
XX AC ABV6065;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 3851.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
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XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
XX In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
XX Disclosure; Page 131; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
XX Sequence 11 BP; 1 A; 2 C; 2 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 920 TTGCGCTTTA 930
Db 1 TTGCGCTTTA 11
RESULT 1398
ABV70955/c
ID ABV70955 standard; cDNA; 11 BP.
XX
XX AC ABV70955;
XX
XX 21-OCT-2002 (first entry)
XX
XX Human skin EST 8741.
XX
XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
XX Homo sapiens.
XX
XX WO200253774-A2.
XX
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX
XX 03-JAN-2001; 2001DE-01000127.
XX
XX (HENK ) HENKEL KGAA.
XX
XX Petersohn D, Conradt M, Hofmann K;
XX
XX WPI; 2002-590638/63.
XX
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PT In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Claim 24; Page 280; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 936 CCTCTTCATTG 946  
DB 11 CCTCTGCATTG 1  
RESULT 1399  
ABV71655  
ID ABV71655 standard; cDNA; 11 BP.  
XX AC ABV71655;  
XX 21-OCT-2002 (first entry)  
XX Human skin EST 9441.  
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX OS Homo sapiens.  
XX PN WO200253774-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015179.  
XX 03-JAN-2001; 2001DE-01000127.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Claim 24; Page 304; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
XX disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
XX ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
XX rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
XX skin. The present sequence is that of a human expressed sequence tag  
XX (EST) of the invention  
XX Sequence 11 BP; 4 A; 2 C; 4 G; 1 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX Sequence 11 BP; 1 A; 5 C; 1 G; 4 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 924 CCTTTTATCCC 934  
DB 1 CCTGTTATCCC 11  
RESULT 1400  
ABV71727/c  
ID ABV71727 standard; cDNA; 11 BP.  
XX AC ABV71727;  
XX 21-OCT-2002 (first entry)  
XX Human skin EST 9513.  
XX Human; skin; dermatological; vulnery; antipsoriatic; antisborrhaic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
XX OS Homo sapiens.  
XX PN WO200253774-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015179.  
XX 03-JAN-2001; 2001DE-01000127.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-590638/63.  
XX In vitro identification of skin-expressed genes, useful for determining  
PT homeostasis and identifying cosmetic or pharmaceutical agents against  
PT e.g. skin cancer.  
XX Claim 24; Page 307; 1345pp; German.  
XX The invention relates to in vitro identification (M1) of genes expressed  
CC in the skin of humans or animals by subjecting a mixture of genetically  
CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
CC so as to identify skin-expressed genes and quantify their expression.  
CC (M1) is useful for identifying genes involved in skin homeostasis; to  
CC determine skin homeostasis and to test agent (A) that maintains or  
CC promotes skin homeostasis or that can be used for treating skin  
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
CC skin. The present sequence is that of a human expressed sequence tag  
CC (EST) of the invention  
XX Sequence 11 BP; 9 A; 2 C; 0 G; 0 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 11;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTTCTTTGTT 918

```
Db      11 TTTTTCCTGCT 1
        ||||| |||||
RESULT 1401
ABV67498
ID ABV67498 standard; cDNA; 11 BP.
XX
AC ABV67498;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 5284.
XX
KW Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Disclosure; Page 171; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 932 CCTCTCTCTTC 942
        ||||| |||||
Db      1 CCTCTCTCTCC 11
        ||||| |||||
RESULT 1402
ABV70194
ID ABV70194 standard; cDNA; 11 BP.
XX
AC ABV70194;
XX
DT 21-OCT-2002 (first entry)
XX
DE Human skin EST 7980.
XX
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 932 CCTCTCTCTTC 942
        ||||| |||||
Db      1 CCTCTCTCTCC 11
        ||||| |||||
RESULT 1403
ABV78654
ID ABV78654 standard; DNA; 11 BP.
XX
AC ABV78654;
XX
DT 26-NOV-2002 (first entry)
XX
DE RXR binding site from clone X9TOP.
XX
KW PARDelta; peroxisome proliferator-activated receptor delta; nootropic;
KW neuroprotective; anti-HIV; cardiant; cytostatic; antiinflammatory;
KW immunosuppressive; cerebroprotective; gene therapy; inflammation; cancer;
KW Alzheimer's disease; AIDS; muscular dystrophy; autoimmune disease;
KW heart attack; stroke; fecundity; RXR; ds.
XX
OS Homo sapiens.
XX
PN WO200268386-A2.
XX
PD 06-SEP-2002.
XX
```

```
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX
OS Homo sapiens.
XX
PN WO200253774-A2.
XX
PD 11-JUL-2002.
XX
PF 20-DEC-2001; 2001WO-EP015179.
XX
PR 03-JAN-2001; 2001DE-01000127.
XX
PA (HENK ) HENKEL KGAA.
XX
PI Petersohn D, Conradt M, Hofmann K;
XX
DR WPI; 2002-590638/63.
XX
PT In vitro identification of skin-expressed genes, useful for determining
PT homeostasis and identifying cosmetic or pharmaceutical agents against
PT e.g. skin cancer.
XX
PS Claim 24; Page 254; 1345pp; German.
XX
CC The invention relates to in vitro identification (M1) of genes expressed
CC in the skin of humans or animals by subjecting a mixture of genetically
CC encoded factors from skin, to serial analysis of gene expression (SAGE)
CC so as to identify skin-expressed genes and quantify their expression.
CC (M1) is useful for identifying genes involved in skin homeostasis; to
CC determine skin homeostasis and to test agent (A) that maintains or
CC promotes skin homeostasis or that can be used for treating skin
CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
CC skin. The present sequence is that of a human expressed sequence tag
CC (EST) of the invention
XX
SQ Sequence 11 BP; 0 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTTCCTTT 915
        ||||| |||||
Db      1 TCATTTTCCTTT 11
        ||||| |||||
RESULT 1403
ABV78654
ID ABV78654 standard; DNA; 11 BP.
XX
AC ABV78654;
XX
DT 26-NOV-2002 (first entry)
XX
DE RXR binding site from clone X9TOP.
XX
KW PARDelta; peroxisome proliferator-activated receptor delta; nootropic;
KW neuroprotective; anti-HIV; cardiant; cytostatic; antiinflammatory;
KW immunosuppressive; cerebroprotective; gene therapy; inflammation; cancer;
KW Alzheimer's disease; AIDS; muscular dystrophy; autoimmune disease;
KW heart attack; stroke; fecundity; RXR; ds.
XX
OS Homo sapiens.
XX
PN WO200268386-A2.
XX
PD 06-SEP-2002.
XX
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PF 27-FEB-2002; 2002WO-US003408.
PR
PR
XX 27-FEB-2001; 2001US-0271412P.
XX
PA (UYJO ) UNIV JOHNS HOPKINS.
XX
PI Park BH, Kinzler KW, Vogelstein B;
XX
XX WPI; 2002-691649/74.
XX
XX Homozygous PPAR gene-defective cell line, useful for treating
PT inflammation and cancer and disorders associated with premature cell
PT death such as Alzheimer's disease, AIDS, muscular dystrophy, autoimmune
PT diseases and heart attacks.
XX
XX Example 2; Fig 6; 33pp; English.
XX
XX The invention relates to a novel homozygous peroxisome proliferator-
CC activated receptor delta (PPARdelta) gene-defective cell line. The
CC compositions of the invention have neurotropic, neuroprotective, anti-HIV,
CC cardiant, cytostatic, antiinflammatory, immunosuppressive, and
CC cerebroprotective activity. The cell lines may have a use in gene
CC therapy. The methods and compositions are useful for treating
CC inflammation and cancer and other disorders with increased cell
CC proliferation or in which cells are dying prematurely such as Alzheimer's
CC disease, AIDS, muscular dystrophy, autoimmune diseases, heart attack and
CC stroke, improving fecundity and/or ameliorating toxic effects of non-
CC steroidal antiinflammatory drugs. The sequence represents a PCR product
CC of an oligonucleotide template that bound a fusion protein containing the
CC DNA binding domain of RXR
XX
XX Sequence 11 BP; 2 A; 3 C; 2 G; 4 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 900 CCTGGTCATT 910
Db 1 CCTGGTCATT 11
|||||
RESULT 1404
AAD34267
ID AAD34267 standard; DNA; 11 BP.
XX
XX AAD34267;
AC
XX 16-JUL-2002 (first entry)
DT
XX Human CYP2D6 gene polymorphic site 942 detecting sense 5' oligo.
DE
XX Human; cytochrome P450 2D6; CYP2D6; enzyme; detection; xenobiotic;
KW ligase-based sequenced determination; drug metabolism; chromosome 22; ss.
XX
XX Homo sapiens.
OS
XX WO200218638-A2.
PN
XX 07-MAR-2002.
PD
XX 27-AUG-2001; 2001WO-IB001544..
PF
XX 30-AUG-2000; 2000GB-00021286.
PR
XX (GEMT-) GEMINI GENOMICS PLC.
PA
XX Risinger C, Andersson MK, Lewander T, Olliason E;
PI WPI; 2002-329785/36.
XX
XX New sequence determination oligonucleotides, useful for detecting
PT polymorphic sites in a 5' flanking region of a CYP2D6 gene, as
PT
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PT hybridization probes, as components of diagnostic assays, or in ligase-
PT based sequence determination.
XX
XX Claim 2; Page 23; 63pp; English.
XX
XX The invention relates to sequence determination oligonucleotides for
CC detecting polymorphic sites in a 5' flanking region of cytochrome P450
CC 2D6 (CYP2D6) gene. CYP2D6 enzymes are involved in the metabolism of many
CC different xenobiotics. Human CYP2D6 gene is located on chromosome 22. The
CC oligonucleotides may be used as in situ hybridisation probes, in ligase-
CC based sequenced determination, as components of diagnostic assays, as
CC probes in sequence determination methods based on mismatches, as
CC hybridisation-based diagnostic assays, and as components of diagnostic
CC microarray. CYP2D6 is useful to predict variations in an individual's
CC ability to metabolise certain drugs. The present sequence is a sense
CC oligonucleotide used for detecting of human CYP2D6 gene 5' flanking
CC region single nucleotide polymorphism (SNP)
XX
XX Sequence 11 BP; 1 A; 1 C; 3 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 11;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 903 GGTCATTTCCT 913
Db 1 GGTCATTTCCT 11
|||||
RESULT 1405
ABK99388
ID ABK99388 standard; DNA; 11 BP.
XX
XX ABK99388;
AC
XX 21-OCT-2002 (first entry)
DT
XX Human CYP3A5 gene polymorphic variant DNA sequence #21.
DE
XX Human; CYP3A5; polymorphism; cancer; cardiovascular disease; diabetes;
KW AIDS; African American; forensic marker; pharmacological; cytostatic;
KW antidiabetic; anti-HIV; gene therapy; ds.
XX
XX Homo sapiens.
OS
XX WO200253775-A2.
PN
XX 11-JUL-2002.
PD
XX 21-DEC-2001; 2001WO-EP015290.
PF
XX 28-DEC-2000; 2000EP-00128627.
PR
XX 28-DEC-2000; 2000US-0258684P.
PR
XX 29-DEC-2000; 2000US-0258952P.
PR
XX 16-JAN-2001; 2001EP-00100172.
PR
XX 18-JAN-2001; 2001US-0262859P.
PR
XX 16-AUG-2001; 2001EP-00118884.
PR
XX 16-AUG-2001; 2001US-0312825P.
XX
XX (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
PA
XX Wojnowski L, Haberl M, Hustedt E;
PI
XX WPI; 2002-583628/62.
XX
XX Novel CYP3A5 polymolecule useful for diagnosis and treatment of cancer,
PT cardiovascular diseases, diabetes and AIDS, and for identifying
PT polymorphisms.
XX
XX Claim 1; Page 49; 138pp; English.
XX
XX The present invention relates to a new CYP3A5 polymolecule encoding a
CC polypeptide, where the polymolecule is capable of hybridising to a
CC
```

CC CYP3A5 gene. The invention is useful in an in vitro method for  
 CC identifying a polymorphism. The invention is also useful for useful for  
 CC diagnosing a disorder related to the presence of a molecular variant of a  
 CC CYP3A5 or susceptibility to such a disorder, where the disorder is  
 CC cancer, or diseases including cardiovascular diseases, diabetes and AIDS.  
 CC The invention can further be used for the preparation of a diagnostic  
 CC composition for diagnosing a disease in a subject having a genome  
 CC comprising a variant allele of the CYP3A5 gene, where the subject is an  
 CC African American. The molecules of the invention are as forensic markers  
 CC and in pharmacological studies. The present nucleic acid sequence  
 CC represents a human CYP3A5 gene polymorphism variant DNA sequence, as  
 CC described in the invention

SQ Sequence 11 BP; 1 A; 2 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 11;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 911 TCTTTGGTCTT 921

Db 1 TCTTTGATCTT 11

RESULT 1406

AAAX14622/c

ID AAX14622 standard; DNA; 12 BP.

XX AC AAX14622;

XX DT 24-MAR-1999 (first entry)

XX DE Triple helix forming nucleotides 6650-6661 of the c-myc gene.

XX KW Triple-helix forming region; Triplex formation; DNA detection;

XX KW identification; bacteria; oncogene; virus; ds.

XX OS Homo sapiens.

XX PN US5861244-A.

XX PD 19-JAN-1999.

XX PF 22-DEC-1993; 93US-00173489.

XX PR 29-OCT-1992; 92US-00968436.

XX PA (PROF-) PROFILE DIAGNOSTIC SCI INC.

XX PI Hepburn AG, Wang C;

XX PR WPI; 1999-130384/11.

XX PT Assay of genetic sequences based on triplex formation from double

PT stranded analyte - and hybrid of anchor and reporter sequences, with

PT reporter released if triplex formation occurs, used e.g. to identify

PT bacteria.

XX PS Disclosure; Col 13-14; 168pp; English.

XX CC The present sequence represents a potential triple-helix forming region.

CC It can be used to demonstrate the assay of the invention. The assay

CC comprises adding a sample containing double-stranded DNA test sequences,

CC e.g. containing the present sequence, to an aqueous medium containing at

CC least one complex of anchor DNA, attached to a solid support, and

CC reporter DNA, where either a part of the anchor DNA or reporter DNA is

CC designed to form a triple-strand structure with part of the test

CC sequence. Triplex formation results in displacement of the reporter DNA

CC which is detected as an indication of the presence of the DNA test

CC sequence. The method is used to detect DNA sequences, particularly for

CC identification of bacteria (by detecting genes for ribosomal RNA) in

CC clinical samples, but also detection of oncogenes and Hepatitis B virus

XX

SQ Sequence 12 BP; 7 A; 0 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941

Db 12 TCCTCTCTCTT 2

RESULT 1407

AAAX14829

ID AAX14829 standard; DNA; 12 BP.

XX AC AAX14829;

XX DT 24-MAR-1999 (first entry)

XX DE Triple helix third strand of 23S rRNA gene nucleotides 212-223.

XX KW Triplex formation; DNA detection; triple helix; identification; bacteria;  
 KW oncogene; virus; ss.

XX OS Synthetic.

XX OS Escherichia coli.

XX PN US5861244-A.

XX PD 19-JAN-1999.

XX PF 22-DEC-1993; 93US-00173489.

XX PR 29-OCT-1992; 92US-00968436.

XX PA (PROF-) PROFILE DIAGNOSTIC SCI INC.

XX PI Hepburn AG, Wang C;

XX PR WPI; 1999-130384/11.

XX PT Assay of genetic sequences based on triplex formation from double  
 PT stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.

XX PS Disclosure; Col 21-22; 168pp; English.

XX CC The present sequence represents a polynucleotide that is able to form a  
 CC triple helix with a double stranded sequence. Cytosine bases in the  
 CC present can be replaced with 5-methylcytosine for increased triplex  
 CC stability. The present sequence is used in the assay of the invention,  
 CC where it can be part of the anchor DNA or reporter DNA sequence. The  
 CC assay comprises adding a sample containing double-stranded DNA test  
 CC sequences to an aqueous medium containing at least one complex of anchor  
 CC DNA, attached to a solid support, and reporter DNA, where either a part  
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand  
 CC structure with part of the test sequence. Triplex formation results in  
 CC displacement of the reporter DNA which is detected as an indication of  
 CC the presence of the DNA test sequence. The method is used to detect DNA  
 CC sequences, particularly for identification of bacteria (by detecting  
 CC genes for ribosomal RNA) in clinical samples, but also detection of  
 CC oncogenes and Hepatitis B virus

SQ Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915

Db 2 TCATTTTCTTT 12

```

RESULT 1408
AAH23548
ID AAH23548 standard; DNA; 12 BP.
XX AC AAH23548;
XX DT 03-AUG-2001 (first entry)
DE DE Antibacterial peptide nucleic acid oligonucleotide #57.
DE DE Peptide nucleic acid; PNA; antimicrobial; antibiotic; cationic peptide;
XX KW antisense; disinfectant; ss.
XX OS Synthetic.
XX FH Key Location/Qualifiers
FT modified_base 1
FT FT /*tag= a
FT FT /mod_base= OTHER
FT FT /note= "linked to AAB99988 by 8-amino-3,6-dioxaoctanoic
FT FT acid"
XX PN WO200127262-A1.
XX XX 19-APR-2001.
XX PF 13-OCT-2000; 2000WO-DK000581.
XX PR 13-OCT-1999; 99DK-00001468.
XX PR 15-OCT-1999; 99US-0159683P.
XX PA (PANT-) PANTHECO AS.
XX PI Nielsen PE, Schou C, Wissenbach M;
XX WPI; 2001-290722/30.
XX DT Identifying target genes in a microorganism (e.g. Escherichia coli) as a
PT basis for anti-infective treatment comprises selecting potential targets
PT known to be present and obtaining complementary (antisense) peptide
PT nucleic acid sequences.
XX Example 3; Page 35; 57pp; English.
XX The present invention describes a method of identifying target genes, for
CC use in anti-infective treatments, in a microorganism, involving obtaining
CC antisense peptide nucleic acid (PNA) sequences for potential target
CC genes, mixing them with the organism in culture and comparing the growth
CC in the presence and absence of the antisense PNA sequence, where a useful
CC target gene is one which results in decreased growth when blocked by the
CC antisense sequence. Antisense oligonucleotides are linked to cationic
CC peptides via a linking group for use as antimicrobial compounds,
CC particularly as antibiotics. The present sequence is an oligonucleotide
CC useful as the antisense portion of a PNA in the present invention
XX SQ Sequence 12 BP; 3 A; 4 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 954 GTATCGCTACC 964
DB 1 GTATCGCTACC 11
|||||
|||||

RESULT 1409
AB117707/C
ID AB117707 standard; DNA; 12 BP.
XX AB117707;
XX AC AB117707;

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XX DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 317680 for detecting SNP TSC0028168.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 317680; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9988, ABF00010-ABF9988, ABH00010-ABH9988 and ABI00010-ABI82073
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955
DB 12 TGGTTTAATTT 2
|||||
|||||

RESULT 1410
AB124131
ID AB124131 standard; DNA; 12 BP.
XX AC AB124131;
XX DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 324104 for detecting SNP TSC0031802.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.

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18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
07-APR-2000; 2000DE-01019173.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
Claim 1; SEQ ID NO 324104; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI92073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
Query Match          12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred.No.1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY      905 TCATTTTCCTT 915
Ddb      1 TAATTTTCCTT 11
| | | | | | | |
| | | | | | | |
RESULT 1411
ABH74276
ID ABH74276 standard; DNA; 12 BP.
AC ABH74276;
XX DT
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 274261 for detecting SNP TSC0003493.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PN
XX PD
XX PD 18-OCT-2001.
XX PF
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is

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CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953

Db 1 ATTGGTTTAT 11

RESULT 1413

AB127706  
 ID AB127706 standard; DNA; 12 BP.

XX AC AB127706;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 327679 for detecting SNP TSC0033822.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 327679; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 914 TTGGCTTTTC 924

|||||

Db 1 TTGGTTTTTC 11

RESULT 1414

AB102625/C

XX AC AB102625;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 302598 for detecting SNP TSC0020076.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 302598; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAAATGTA 956

|||||

Db 12 GGTTTAAATGTA 2

RESULT 1415

ABH79215/C

XX ID ABH79215 standard; DNA; 12 BP.

XX AC ABH79215;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 279208 for detecting SNP TSC0007060.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 279208; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTGTGCTTTG 923  
DB 12 TTGTGCTTTG 2  
|||||  
RESULT 1416  
ABI06994  
ID ABI06994 standard; DNA; 12 BP.  
XX AC ABI06994;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 306967 for detecting SNP TSC0022272.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR

XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 306967; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 924 CCTTTTATCC 934  
DB 2 CCTTTTATCC 12  
|||||  
RESULT 1417  
ABI07320/C  
ID ABI07320 standard; DNA; 12 BP.  
XX AC ABI07320;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 307293 for detecting SNP TSC0022421.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 307293; 29pp + Sequence Listing; German.  
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939  
Db 12 TATCCCTACTC 2  
|||||

RESULT 1418  
ABH86106/c  
ID ABH86106 standard; DNA; 12 BP.  
XX  
AC ABH86106;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 286099 for detecting SNP TSC0012578.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.  
XX  
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX  
Claim 1; SEQ ID NO 286099; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945  
Db 11 TCCTCTTCATT 1  
|||||

RESULT 1419  
ABI37545/c  
ID ABI37545 standard; DNA; 12 BP.  
XX  
AC ABI37545;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 337518 for detecting SNP TSC0039907.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.  
XX  
Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX  
Claim 1; SEQ ID NO 337518; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAAGT 955  
Db 12 TGGTTTAAGT 2  
|||||

RESULT 1420  
ABI38144

XX	PN	WO200177384-A2.
XX	PD	18-OCT-2001.
XX	PF	06-APR-2001; 2001WO-IB000713.
XX	PR	07-APR-2000; 2000DE-01019173.
XX	PA	(EPIG-) EPIGENOMICS AG.
XX	PI	Olek A, Piepenbrock C, Berlin K;
XX	OS	WPI; 2001-657177/75.
XX	PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	PS	Claim 1; SEQ ID NO 340225; 29pp + Sequence Listing; German.
XX	CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	QY	Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX	DB	Query Match 12.9%; Score 9.4; DB 1; Length 12; Best Local Similarity 90.9%; Pred. No. 1.2e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
XX	DE	940 TTCTATTGGTTT 950
XX	DE	11 TTTATTGGTTT 1
XX	DE	RESULT 1422
XX	DE	ABH91147
XX	AC	ABH91147 standard; DNA; 12 BP.
XX	AC	ABH91147;
XX	DT	22-FEB-2002 (first entry)
XX	DE	Oligonucleotide primer SEQ ID NO 291140 for detecting SNP TSC0014656.
XX	DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	OS	Homo sapiens.
XX	PN	WO200177384-A2.
XX	PD	18-OCT-2001.
XX	PF	06-APR-2001; 2001WO-IB000713.
XX	PR	07-APR-2000; 2000DE-01019173.
XX	PA	(EPIG-) EPIGENOMICS AG.
XX	PI	Olek A, Piepenbrock C, Berlin K;
XX	OS	Homo sapiens.
XX	PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	PS	Claim 1; SEQ ID NO 338117; 29pp + Sequence Listing; German.
XX	CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	QY	Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX	DB	Query Match 12.9%; Score 9.4; DB 1; Length 12; Best Local Similarity 90.9%; Pred. No. 1.2e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX	DE	947 GTTTAATGAT 957
XX	DE	1 GTTTAATTTAT 11
XX	DE	RESULT 1421
XX	DE	AB140252/c
XX	DE	AB140252 standard; DNA; 12 BP.
XX	AC	AB140252;
XX	DT	22-FEB-2002 (first entry)
XX	DE	Oligonucleotide primer SEQ ID NO 340225 for detecting SNP TSC0041411.
XX	DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	OS	Homo sapiens.

```
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 291140; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTGGT 918
DB 2 TTTTATTGGT 12
|||||
XX
RESULT 1423
ABI45362/c
ID ABI45362 standard; DNA; 12 BP.
XX
XX ABI45362;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 345335 for detecting SNP TSC0043980.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 345335; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTGGT 918
DB 2 TTTTATTGGT 12
|||||
XX
RESULT 1424
ABI46192/c
ID ABI46192 standard; DNA; 12 BP.
XX
XX ABI46192;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 346165 for detecting SNP TSC0007586.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 346165; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 943 ATTGGTTTAAT 953
Db 12 ATTGGTTTAAT 2
|||||
RESULT 1425
ABI48656
ID ABI48656 standard; DNA; 12 BP.
XX
AC ABI48656;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 348629 for detecting SNP TSC0045679.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 348629; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
Db 2 ATTGGTTTAAT 12
|||||
RESULT 1426
ABI57722
ID ABI57722 standard; DNA; 12 BP.
XX
AC ABI57722;
XX
DT 22-FEB-2002 (first entry)
XX
```

```
XX Oligonucleotide primer SEQ ID NO 357695 for detecting SNP TSC0050739.
DE
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 357695; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 945 TCGTTTAAATGT 955
Db 1 TCGTTTAAATTT 11
|||||
RESULT 1427
ABI73066/C
ID ABI73066 standard; DNA; 12 BP.
XX
AC ABI73066;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 373039 for detecting SNP TSC0059805.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
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CC was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
Db 12 TTTTATCCCTC 2

RESULT 1430
ABI66746/c
ID ABI66746 standard; DNA; 12 BP.
XX
XX ABI66746;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 366719 for detecting SNP TSC0055936.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 366719; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
Db 11 TTGGTTTAAGG 1

RESULT 1431
ABH67362
ID ABH67362 standard; DNA; 12 BP.
XX
XX ABH67362;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 267339 for detecting SNP TSC0000119.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 267339; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 2 TTCATTGGTTT 12

RESULT 1432
ABI17924/c
ID ABI17924 standard; DNA; 12 BP.
XX
XX ABI17924;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 317897 for detecting SNP TSC0028333.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT Claim 1; SEQ ID NO 317897; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 926 TTTTATCCCTC 936  
 DB 12 TTTTATCCCTC 2  
 RESULT 1433  
 ABH6844/c  
 ID ABH6844 standard; DNA; 12 BP.  
 AC ABH6844;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 268921 for detecting SNP TSC0001437.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT Claim 1; SEQ ID NO 319372; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 268921; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 941 TCATTGCTTTA 951  
 DB 11 TGATTGCTTTA 1  
 RESULT 1434  
 ABI19399/c  
 ID ABI19399 standard; DNA; 12 BP.  
 AC ABI19399;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 319372 for detecting SNP TSC0029184.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT Claim 1; SEQ ID NO 319372; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligonucleotides are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGGT 918  
Db 11 TTTTATTGGT 1  
|||||

RESULT 1435  
ABH71228/c  
ID ABH71228 standard; DNA; 12 BP.  
XX  
AC ABH71228;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 271205 for detecting SNP TSC0002425.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 271205; 29pp + Sequence Listing; German.  
XX  
SQ This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915  
Db 12 TCATTTCCTTT 2  
|||||

RESULT 1436  
ABI22293/c  
ID ABI22293 standard; DNA; 12 BP.  
XX  
AC ABI22293;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 322266 for detecting SNP TSC0030767.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 322266; 29pp + Sequence Listing; German.  
XX  
SQ This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
Db 11 GTTTAATATAT 1  
|||||

RESULT 1437  
ABH73304/c  
ID ABH73304 standard; DNA; 12 BP.  
XX

```

AC ABH73304;
AD
DE 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 273289 for detecting SNP TSC0003130.
DE
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 273289; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATGGTTT 950
DB 11 TTAATGGTTT 1

RESULT 1438
ABI27146
ID ABI27146 standard; DNA; 12 BP.
XX
AC ABI27146;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 327119 for detecting SNP TSC0033449.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.

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XX 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 327119; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 7 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937
DB 2 TTTCTCCCTCC 12

RESULT 1439
ABH77214
ID ABH77214 standard; DNA; 12 BP.
XX
AC ABH77214;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 277207 for detecting SNP TSC0004405.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX  
PS Claim 1; SEQ ID NO 277207; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTATGATGAT 957  
Db 2 GTATATGAT 12  
||| |||||  
||| |||||  
  
RESULT 1440  
ABI03017/c  
ID ABI03017 standard; DNA; 12 BP.  
AC ABI03017;  
XX  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 302990 for detecting SNP TSC0020263.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW Central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 302990; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 940 TTCATTGGTTT 950  
Db 11 TTGATTGGTTT 1  
||| |||||  
||| |||||  
  
RESULT 1441  
ABI04185/c  
ID ABI04185 standard; DNA; 12 BP.  
XX  
XX ABI04185;  
XX  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 304158 for detecting SNP TSC0020805.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW Central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 304158; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 944 TTGTTTAAATG 954

```

Db      12 TTGGTTGAATG 2
||||| |||||
RESULT 1442
ABH80463/C
ID ABH80463 standard; DNA; 12 BP.
AC ABH80463;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 280456 for detecting SNP TSC0008655.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 280456; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 935 TCCTCTTCCTT 945
DB 12 TCCTCTTCCTT 2
||||| |||||
RESULT 1443
ABI37376
ID ABI37376 standard; DNA; 12 BP.
XX
AC ABI37376;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 337349 for detecting SNP TSC0039831.
XX

```

```

XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 337349; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTCTTT 915
DB 2 TCATTTCTTT 12
||||| |||||
RESULT 1444
ABH92032/C
ID ABH92032 standard; DNA; 12 BP.
XX
AC ABH92032;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 292025 for detecting SNP TSC0015054.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

```

PR 07-APR-2000; 2000DE-01019173.  
XX (BPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 292025; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 930 ATCCCTCTCTCT 940  
DB 12 ATCCATCTCTCT 2  
  
RESULT 1445  
ABI46663  
ID ABI46663 standard; DNA; 12 BP.  
XX  
XX ABI46663;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 346636 for detecting SNP TSC0007729.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (BPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 346636; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 913 TTGCTCTCTTG 923  
DB 1 TTGCTCTCTTG 11  
  
RESULT 1446  
ABI52878/C  
ID ABI52878 standard; DNA; 12 BP.  
XX  
XX ABI52878;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 352851 for detecting SNP TSC0048131.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (BPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 352851; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX





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OS Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 270363; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 946 GCTTTAATGTA 956
DB 2 GCTTTAATGTA 12
|||||
RESULT 1450
ABH95714
ID ABH95714 standard; DNA; 12 BP.
XX
XX ABH95714;
AC
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 295707 for detecting SNP TSC0016694.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 270363; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 946 GCTTTAATGTA 956
DB 2 GCTTTAATGTA 12
|||||
RESULT 1450
ABH95714
ID ABH95714 standard; DNA; 12 BP.
XX
XX ABH95714;
AC
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide primer SEQ ID NO 295707 for detecting SNP TSC0016694.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 271818; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX

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CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
 Db 1 TTTTCTTTGGT 11

RESULT 1452  
 ABI25318  
 ID ABI25318 standard; DNA; 12 BP.  
 AC ABI25318;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 325291 for detecting SNP TSC0032488.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 325291; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 945 TGGTTTAATGT 955  
 Db 1 TGGTTTATTGT 11

RESULT 1453  
 ABH79108  
 ID ABH79108 standard; DNA; 12 BP.

XX ABH79108;  
 AC ABH79108;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 279101 for detecting SNP TSC0006896.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 279101; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 2 A; 1 C; 3 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956  
 Db 2 GGTTTATTGTA 12

RESULT 1454  
 ABI04506  
 ID ABI04506 standard; DNA; 12 BP.

XX ABI04506;  
 AC

```
DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 304479 for detecting SNP TSC0020963.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 304479; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 905 TCATTTTCTTT 915
Db 2 TCATTTTCTT 12
RESULT 1455
ID ABH80641/C
XX ABH80641 standard; DNA; 12 BP.
XX
XX ABH80641;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 280634 for detecting SNP TSC0008886.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
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XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 280634; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 941 TCATTGGTTTA 951
Db 12 TAATTGGTTTA 2
RESULT 1456
ID ABI31092
XX ABI31092 standard; DNA; 12 BP.
XX
XX ABI31092;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 331065 for detecting SNP TSC0035951.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
```

```
PT methylation status.
XX
PS Claim 1; SEQ ID NO 331065; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATGGTAAAT 953
DB 2 ATGGTAAAT 12
|||||
RESULT 1457
ABI32122
ID ABI32122 standard; DNA; 12 BP.
XX
AC ABI32122;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332095 for detecting SNP TSC0036701.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 332095; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATGGTAAAT 953
DB 2 ATGGTAAAT 12
|||||
RESULT 1457
ABI32122
ID ABI32122 standard; DNA; 12 BP.
XX
AC ABI32122;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332095 for detecting SNP TSC0036701.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 332095; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 1 TGATTGGTTTA 11
|||||
RESULT 1458
ABH82350
ID ABH82350 standard; DNA; 12 BP.
XX
AC ABH82350;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 282343 for detecting SNP TSC0010664.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
Claim 1; SEQ ID NO 282343; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 1 TGATTGGTTTA 11
|||||
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RESULT 1459
ABI32640
ID ABI32640 standard; DNA; 12 BP.
XX
AC ABI32640;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 332613 for detecting SNP TSC0037029.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 332613; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 7 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 957 TCGCTACCAAC 967
Dd 1 TCCCTACCAAC 11
XX
RESULT 1460
ABH88114/c
ID ABH88114 standard; DNA; 12 BP.
XX
AC ABH88114;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 288107 for detecting SNP TSC0013375.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 288107; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
Dd 11 TTTATTGGTTT 1
XX
RESULT 1461
ABI40821/c
ID ABI40821 standard; DNA; 12 BP.
XX
AC ABI40821;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 340794 for detecting SNP TSC0006025.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.

```

PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 340794; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTTAT 957  
 DB 11 GTTTAATGTTT 1

RESULT 1462  
 ABI16326  
 ID ABI16326 standard; DNA; 12 BP.  
 XX  
 XX ABI16326;  
 AC  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX  
 DE Oligonucleotide primer SEQ ID NO 316299 for detecting SNP TSC0027387.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 316299; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;  
 SQ

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915  
 DB 2 TCATTTCTTT 12

RESULT 1463  
 ABH91873  
 ID ABH91873 standard; DNA; 12 BP.  
 XX  
 XX ABH91873;  
 AC  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX  
 DE Oligonucleotide primer SEQ ID NO 291866 for detecting SNP TSC0014980.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 291866; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

	Query Match	12.9%; Score 9.4; DB 1;	Length 12;
	Best Local Similarity	90.9%; Pred. No. 1.2e+03;	
	Matches	10; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	947 GTTTAATGTAT 957 		
Dd	2 GTTATTGTA 12		
	RESULT 1464		
	ID ABI46955 standard; DNA; 12 BP.		
XX AC	ABI46955;		
XX DT	22-FEB-2002 (first entry)		
DE DE	Oligonucleotide primer SEQ ID NO 346928 for detecting SNP TSC0044837.		
XX KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;		
KW KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.		
OS OS	Homo sapiens.		
PN PN	WO200177384-A2.		
XX PD	18-OCT-2001.		
XX PF	06-APR-2001; 2001WO-IB000713.		
PX PR	07-APR-2000; 2000DE-01019173.		
XX PA	(EPIG-) EPIGENOMICS AG.		
XX PI	Olek A, Piepenbrock C, Berlin K;		
XX PS	WFI; 2001-657177/75.		
PT PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.		
XX PX	Claim 1; SEQ ID NO 346928; 29pp + Sequence Listing; German.		
CC CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABCO0010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences		
SQ SQ	Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;		
	Query Match	12.9%; Score 9.4; DB 1;	Length 12;
	Best Local Similarity	90.9%; Pred. No. 1.2e+03;	
	Matches	10; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	948 TTATAATGTATC 958 		
Dd	11 TTATAATGC 1		
	RESULT 1465		
	ID ABI47671/C		
DD DD	ABI47671 standard; DNA; 12 BP.		

	Query Match	12.9%; Score 9.4; DB 1;	Length 12;
	Best Local Similarity	90.9%; Pred. No. 1.2e+03;	
	Matches	10; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	947 GTTTAATGTAT 957 		
Dd	2 GTTATTGTA 12		
	RESULT 1464		
	ID ABI46955 standard; DNA; 12 BP.		
XX AC	ABI46955;		
XX DT	22-FEB-2002 (first entry)		
DE DE	Oligonucleotide primer SEQ ID NO 346928 for detecting SNP TSC0044837.		
XX KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;		
KW KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.		
OS OS	Homo sapiens.		
PN PN	WO200177384-A2.		
XX PD	18-OCT-2001.		
XX PF	06-APR-2001; 2001WO-IB000713.		
PX PR	07-APR-2000; 2000DE-01019173.		
XX PA	(EPIG-) EPIGENOMICS AG.		
XX PI	Olek A, Piepenbrock C, Berlin K;		
XX PS	WFI; 2001-657177/75.		
PT PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.		
XX PX	Claim 1; SEQ ID NO 346928; 29pp + Sequence Listing; German.		
CC CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABCO0010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences		
SQ SQ	Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;		
	Query Match	12.9%; Score 9.4; DB 1;	Length 12;
	Best Local Similarity	90.9%; Pred. No. 1.2e+03;	
	Matches	10; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	948 TTATAATGTATC 958 		
Dd	11 TTATAATGC 1		
	RESULT 1465		
	ID ABI47671/C		
DD DD	ABI47671 standard; DNA; 12 BP.		

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PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 348166; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 931 TCCTCTCTCTT 941
XX
XX Db 2 TCCTCTCTCTT 12
XX
XX RESULT 1467
XX ABI67900/c
XX ID ABI67900 standard; DNA; 12 BP.
XX
XX AC ABI67900;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 367873 for detecting SNP TSC0056630.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX AC ABI67900;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 367873 for detecting SNP TSC0056630.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 367873; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 955 TATCGCTACCA 965
XX
XX Db 11 TATCTCTACCA 1
XX
XX RESULT 1468
XX ABI70864
XX ID ABI70864 standard; DNA; 12 BP.
XX
XX AC ABI70864;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 370837 for detecting SNP TSC0058425.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX AC ABI70864;
XX
XX DT 18-OCT-2001.
XX
XX DE Oligonucleotide primer SEQ ID NO 370837 for detecting SNP TSC0058425.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
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XX PA (EPIG-) EPIGENOMICS AG.
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XX PI Olek A, Piepenbrock C, Berlin K;
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XX DR WPI; 2001-657177/75.
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 370837; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 955 TATCGCTACCA 965
XX
XX Db 11 TATCTCTACCA 1
XX
XX RESULT 1468
XX ABI70864
XX ID ABI70864 standard; DNA; 12 BP.
XX
XX AC ABI70864;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 370837 for detecting SNP TSC0058425.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX AC ABI70864;
XX
XX DT 18-OCT-2001.
XX
XX DE Oligonucleotide primer SEQ ID NO 370837 for detecting SNP TSC0058425.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
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XX PI Olek A, Piepenbrock C, Berlin K;
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XX DR WPI; 2001-657177/75.
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 370837; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
SQ

```



CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC XX

QY Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAAATGT 955  
 Db 1 TGGTTTGAATGT 11

RESULT 1469  
 ABI72518/C  
 ID ABI72518 standard; DNA; 12 BP.  
 XX  
 AC ABI72518;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 372491 for detecting SNP TSC0059419.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 372491; 29pp + Sequence Listing; German.  
 CC  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC XX

QY Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAAATGT 955  
 Db 1 TGGTTTGAATGT 11

RESULT 1471  
 ABI60061  
 ID ABI60061 standard; DNA; 12 BP.  
 XX  
 AC ABI60061;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 372491 for detecting SNP TSC0059917.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 372491; 29pp + Sequence Listing; German.  
 CC  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC XX

QY 956 ATCCCTACCAA 966  
 Db 11 ATCCCTACCAA 1

RESULT 1470  
 ABI73257  
 ID ABI73257 standard; DNA; 12 BP.  
 XX  
 AC ABI73257;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 372230 for detecting SNP TSC0059917.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 372230; 29pp + Sequence Listing; German.  
 CC  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC XX

QY Sequence 12 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950  
 Db 2 TTCATTGGTTT 12

RESULT 1471  
 ABI60061  
 ID ABI60061 standard; DNA; 12 BP.  
 XX  
 AC ABI60061;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX

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DE Oligonucleotide primer SEQ ID NO 360034 for detecting SNP TSC0051895.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
PN WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 360034; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 1 ATTAGTTTAAAT 11
|||||
|||||
RESULT 1472
ABI66203/c
ID ABI66203 standard; DNA; 12 BP.
XX
XX ABI66203;
AC
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 366176 for detecting SNP TSC0055577.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF

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XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 366176; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 934 CTCCTCTTCAAT 944
DB 11 CTCCTCTCAAT 1
|||||
|||||
RESULT 1473
ABI17646/c
ID ABI17646 standard; DNA; 12 BP.
XX
XX ABI17646;
AC
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 317619 for detecting SNP TSC0028141.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

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PS Claim 1; SEQ ID NO 317619; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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XX
SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTCCTTT 928
Db 11 TCTTTCCTTT 1

RESULT 1474
ABH68309/C
ID ABH68309 standard; DNA; 12 BP.
XX
AC ABH68309;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 268286 for detecting SNP TSC0001040.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 268286; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
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was obtained in electronic format from WIPO at

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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 7 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCTCTTCAT 944
Db 12 CTCTCTTCAT 2

RESULT 1475
ABI18658
ID ABI18658 standard; DNA; 12 BP.
XX
AC ABI18658;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318631 for detecting SNP TSC0028776.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 318631; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTGG 917
Db 2 ATTTTCTTGG 12

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RESULT 1476
ABH94784
ID ABH94784 standard; DNA; 12 BP.
XX
XX
AC ABH94784;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 294777 for detecting SNP TSC0016278.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 294777; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 926 TTTTATCCCTC 936
DB 1 TTTTATCCCTC 11
XX
RESULT 1477
ABH75495/c
ID ABH75495 standard; DNA; 12 BP.
XX
XX
AC ABH75495;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 275486 for detecting SNP TSC0003907.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 275486; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 945 TCGTTTAAATGT 955
DB 12 TCGTTTAAATGT 2
XX
RESULT 1478
ABH76118/c
ID ABH76118 standard; DNA; 12 BP.
XX
XX
AC ABH76118;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 276111 for detecting SNP TSC0004093.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 276111; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 3 A; 1 C; 3 G; 5 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 956 ATCGTACCAA 966  
DB 12 ATCGTACCAA 2  
RESULT 1479  
ABI03618/c  
ID ABI03618 standard; DNA; 12 BP.  
XX  
XX AC ABI03618;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 303591 for detecting SNP TSC020541.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 303591; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 9 A; 0 C; 3 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 918 TCCTTGCTTT 928  
DB 11 TCCTTGCTTT 1  
RESULT 1480  
ABI05670/c  
ID ABI05670 standard; DNA; 12 BP.  
XX  
XX AC ABI05670;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 305643 for detecting SNP TSC0021541.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 305643; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03; Mismatches 0; Indels 0; Gaps 0;  
Matches 10; Conservative 0

QY 943 ATTGGTTTAAT 953  
Db 12 ATTGGTTTAAT 2

RESULT 1481  
ABI31802/C  
ID ABI31802 standard; DNA; 12 BP.  
XX  
AC ABI31802;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 331775 for detecting SNP TSC0036472.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 331775; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 941 TCATTGGTTTA 951  
Db 11 TTATTGGTTTA 1

RESULT 1482  
ABI32465/C  
ID ABI32465 standard; DNA; 12 BP.  
XX  
AC ABI32465;

XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 332438 for detecting SNP TSC0036911.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 332438; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTTCCTTGGT 918  
Db 12 TTTTCTTGGT 2

RESULT 1483  
ABH83378/C  
ID ABH83378 standard; DNA; 12 BP.  
XX  
AC ABH83378;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 283371 for detecting SNP TSC0011278.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX

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PD 18-OCT-2001.
XX
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 283371; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 945 TGGTTTAAATCT 955
Db 2 TGGTTTAAATCT 12
|||||
RESULT 1485
ABH85174
ID ABH85174 standard; DNA; 12 BP.
XX
XX AC ABH85174;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 285167 for detecting SNP TSC0012179.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 285167; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 929 TATCCCTCCTC 939
Db 12 TATCCCTCCTC 2
|||||
RESULT 1484
ABH84893
ID ABH84893 standard; DNA; 12 BP.
XX
XX AC ABH84893;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 284886 for detecting SNP TSC0012041.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT

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CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTTGGTCTTTG 923  
 ||||| |||||  
 1 TTTGGTCTTTG 11

Db RESULT 1486  
 ABH89530  
 ID ABH89530 standard; DNA; 12 BP.  
 XX AC ABH89530;  
 XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 289523 for detecting SNP TSC0013972.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.

PS Claim 1; SEQ ID NO 289523; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 0 A; 0 C; 2 G; 10 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918  
 ||||| |||||

Db 2 TTTTTTTGCT 12

RESULT 1487  
 ABI76716  
 ID ABI76716 standard; DNA; 12 BP.  
 XX AC ABI76716;  
 XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 376689 for detecting SNP TSC0061933.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.

PS Claim 1; SEQ ID NO 376689; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945  
 ||||| |||||  
 1 TCCTCTTCATT 11

Db RESULT 1488  
 ABI65404  
 ID ABI65404 standard; DNA; 12 BP.  
 XX AC ABI65404;  
 XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 365377 for detecting SNP TSC0055076.



KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 365377; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB099989, AB000010-AB099989, AB000010-AB099989 and AB000010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 0 A; 4 C; 0 G; 8 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCCTTT 915  
 Db 1 TCATTTCCTTT 11  
 RESULT 1489  
 ABI80239/c  
 ID ABI80239 standard; DNA; 12 BP.  
 XX AC ABI80239;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 380212 for detecting SNP TSC0063697.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 367120; 29pp + Sequence Listing; German.

XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 380212; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB099989, AB000010-AB099989, AB000010-AB099989 and AB000010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 929 TATCCCTCCCTC 939  
 Db 12 TATCCCTCCAC 2  
 RESULT 1490  
 ABI67147  
 ID ABI67147 standard; DNA; 12 BP.  
 XX AC ABI67147;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 367120 for detecting SNP TSC0056173.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 367120; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ASC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTATGTAT 957  
Db 2 GTTTATGTAT 12  
|||||

RESULT 1491  
ABH70884  
ID ABH70884 standard; DNA; 12 BP.  
XX AC ABH70884;  
XX XX  
XX 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 270861 for detecting SNP TSC0002303.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX XX  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 270861; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 921 TTGCTTTTAT 931  
Db 1 TTGCTTTTAT 11  
|||||

RESULT 1492  
ABI23105/C  
ID ABI23105 standard; DNA; 12 BP.  
XX AC ABI23105;  
XX XX  
XX 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 323078 for detecting SNP TSC0031211.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX XX  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 323078; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGCTTTTAT 923  
Db 11 TTGCTTTTAT 11  
|||||

RESULT 1493  
ABI01560

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ID  ABI01560 standard; DNA; 12 BP.
XX
AC  ABI01560;
XX
DT  22-FEB-2002 (first entry)
XX
DE  Oligonucleotide primer SEQ ID NO 301533 for detecting SNP TSC0019538.
XX
KW  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS  Homo sapiens.
XX
PN  WO200177384-A2.
XX
PD  18-OCT-2001.
XX
PF  06-APR-2001; 2001WO-IB000713.
XX
PR  07-APR-2000; 2000DE-01019173.
XX
PA  (EPIG-) EPIGENOMICS AG.
XX
PI  Olek A, Piepenbrock C, Berlin K;
XX
DR  WPI; 2001-657177/75.
XX
PT  Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX
PS  Claim 1; SEQ ID NO 301533; 29pp + Sequence Listing; German.
XX
CC  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABIS2073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 12 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 957 TCGCTACCAAC 967
DB 1 TCACCTACCAAC 11
XX
RESULT 1494
ABI04050/c
ID ABI04050 standard; DNA; 12 BP.
XX
AC ABI04050;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 304023 for detecting SNP TSC0020751.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
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XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 304023; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABIS2073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 933 CCTCCTCTTCA 943
DB 11 CCTCCTCTTCA 1
XX
RESULT 1495
ABI30567
ID ABI30567 standard; DNA; 12 BP.
XX
XX ABI30567;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 330540 for detecting SNP TSC0035573.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX
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DR WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 330540; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 922 TGCCTTTATC 932  
 Db 1 TTCCTTTATC 11  
 RESULT 1496  
 ID ABI30568 standard; DNA; 12 BP.  
 XX ABI30568;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 330541 for detecting SNP TSC0035573.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 330541; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 922 TGCCTTTATC 932  
 Db 1 TTCCTTTATC 11  
 RESULT 1496  
 ID ABI30568 standard; DNA; 12 BP.  
 XX ABI30568;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 330541 for detecting SNP TSC0035573.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 330541; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 922 TGCCTTTATC 932  
 Db 1 TTCCTTTATC 11  
 RESULT 1497  
 ID ABI38402 standard; DNA; 12 BP.  
 XX ABI38402;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 338375 for detecting SNP TSC0040434.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 338375; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;



PF 06-APR-2001; 2001WO-IB000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 345509; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 946 GGTAAATGTA 956  
 DB 1 GTTTAAATGTA 11  
 RESULT 1501  
 ID ABI46834/C  
 AC ABI46834 standard; DNA; 12 BP.  
 XX ABI46834;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 346807 for detecting SNP TSC0044778.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 346807; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 8 A; 0 C; 1 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 DB 12 TCATTTTATTT 2  
 RESULT 1502  
 ID ABI47185/C  
 AC ABI47185 standard; DNA; 12 BP.  
 XX ABI47185;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 347158 for detecting SNP TSC0044937.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 347158; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGTATCG 959  
 Db 11 TTAATGTATAG 1  
 |||||

RESULT 1503

ABI51977  
 ID ABI51977 standard; DNA; 12 BP.

XX  
 AC ABI51977;

XX  
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 351950 for detecting SNP TSC0047593.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.

XX  
 PR 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX  
 PS Claim 1; SEQ ID NO 351950; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915  
 Db 2 TTAATTTCTTT 12  
 |||||

RESULT 1504  
 ABI55659/C  
 ID ABI55659 standard; DNA; 12 BP.

XX  
 AC ABI55659;

XX  
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 355632 for detecting SNP TSC0049746.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.

XX  
 PR 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX  
 PS Claim 1; SEQ ID NO 355632; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTATATGTAT 957  
 Db 11 GTTATATGGAT 1  
 |||||

RESULT 1505

ABI72657

ID ABI72657 standard; DNA; 12 BP.

XX  
 AC ABI72657;

XX  
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 372630 for detecting SNP TSC0059506.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB0000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH9989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 CC  
 PS Claim 1; SEQ ID NO 372630; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH9989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 CC  
 XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;  
 XX  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATGGTTTAAAT 953  
 DB |||||  
 1 ATTTGTTTAAAT 11  
 RESULT 1506  
 AB162432  
 ID AB162432 standard; DNA; 12 BP.  
 AC  
 AC AB162432;  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 362405 for detecting SNP TSC0053205.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB0000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH9989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 CC  
 XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;  
 XX  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATGGTTTAAAT 953  
 DB |||||  
 1 ATTTGTTTAAAT 11  
 RESULT 1506  
 AB162432  
 ID AB162432 standard; DNA; 12 BP.  
 AC  
 AC AB162432;  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 362405 for detecting SNP TSC0053205.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB0000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.

XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
 PT  
 PT  
 XX Claim 1; SEQ ID NO 362405; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH9989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 CC  
 XX Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
 XX  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTCTTTGG 917  
 DB |||||  
 1 ATTTCTTTGG 11  
 RESULT 1507  
 AB180840  
 ID AB180840 standard; DNA; 12 BP.  
 AC  
 AC AB180840;  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 380813 for detecting SNP TSC0000727.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB0000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
 PT  
 PT  
 XX Claim 1; SEQ ID NO 380813; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)



CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 4 A; 1 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958

Db 2 TTTAATGATC 12

RESULT 1508

ABI19281/C

ID ABI19281 standard; DNA; 12 BP.

XX

AC ABI19281;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 319254 for detecting SNP TSC0029136.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 319254; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935

Db 12 CTTTATCTCT 2

RESULT 1509

ABH69898

ID ABH69898 standard; DNA; 12 BP.

XX

AC ABH69898;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 269875 for detecting SNP TSC0001913.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 269875; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915

Db 1 TCATTTTCTTT 11

RESULT 1510

ABH70493/C

ID ABH70493 standard; DNA; 12 BP.

XX



CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 0 Other;
<hr/>	
Query Match	12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity	90.3%; Pred.No. 1.2e+03;
Matches	10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
<hr/>	
Qy	947 GTTTAATGTA 957
Dd	
	2 GTTAAATGTAT 12
<hr/>	
RESULT 1514	
ABH79768	
ID	ABH79768 standard; DNA; 12 BP.
XX	
AC	ABH79768;
XX	
DT	
DE	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide primer SEQ ID NO 279761 for detecting SNP TSC0007787.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 279761; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 12 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 0 Other;
<hr/>	
Query Match	12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity	90.3%; Pred.No. 1.2e+03;
Matches	10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
<hr/>	
Qy	948 TTTAATGTA TC 958

```

Db      ||||| |||||
        2 TTTAGTGATC 12

RESULT 1515
AB108483/c
ID AB108483 standard; DNA; 12 BP.
XX
AC AB108483;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308456 for detecting SNP TSC0023023.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPICENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 308456; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957
Db 12 GTTTAATGAT 2

RESULT 1516
AB108694
ID AB108694 standard; DNA; 12 BP.
XX
AC AB108694;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 308667 for detecting SNP TSC0023148.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPICENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 308667; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 1 GGTTTAATGTA 11

RESULT 1517
AB114468/c
ID AB114468 standard; DNA; 12 BP.
XX
AC AB114468;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 314441 for detecting SNP TSC0026358.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314441; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
DB ||||| |||||
1 TTTTCTTTGGT 11

RESULT 1518
ABI14588
ID ABI14588 standard; DNA; 12 BP.
XX AC ABI14588;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 314561 for detecting SNP TSC0026429.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314561; 29pp + Sequence Listing; German.

PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314441; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
DB ||||| |||||
12 TTTTCTTTGGT 2

RESULT 1518
ABI14588
ID ABI14588 standard; DNA; 12 BP.
XX AC ABI14588;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 314561 for detecting SNP TSC0026429.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 314561; 29pp + Sequence Listing; German.
```



OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 362742; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
OY 908 TTTCTTTGGT 918  
DB 1 TTTTCTTTGGT 11  
RESULT 1523  
ABI77472/c  
ID ABI77472 standard; DNA; 12 BP.  
XX AC ABI77472;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 377445 for detecting SNP TSC0062332.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 377445; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
OY 940 TTCATTGGTTT 950  
DB 12 TTAATTGGTTT 2  
RESULT 1524  
ABI79595  
ID ABI79595 standard; DNA; 12 BP.  
XX AC ABI79595;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 379568 for detecting SNP TSC0063354.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 379568; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935  
 DB 1 CTTTATACCT 11

RESULT 1525  
 ABH68022  
 ID ABH68022 standard; DNA; 12 BP.

AC ABH68022;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 267999 for detecting SNP TSC0000784.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 267999; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAAAT 953  
 DB 1 ATTGGTTTAAAT 11

RESULT 1526

ABH98228  
 ID ABH98228 standard; DNA; 12 BP.

AC ABH98228;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 298221 for detecting SNP TSC0017971.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 298221; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGGCTTTG 923  
 DB 2 TTGTGGCTTTG 12

RESULT 1527

ABI25355/c  
 ID ABI25355 standard; DNA; 12 BP.

XX AC ABI25355;

XX



```

DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 325328 for detecting SNP TSC0032508.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 325328; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 6 A; 1 C; 3 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 904 GTCATTTCCTT 914
Db 12 GTCATTTCCTT 2

RESULT 1528
ABH75498/c
ID ABH75498 standard; DNA; 12 BP.
XX
AC ABH75498;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 275489 for detecting SNP TSC0003907.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

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XX 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 275489; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCCTTGGT 918
Db 11 TTTTCCTTGGT 1

RESULT 1529
ABI01219/c
ID ABI01219 standard; DNA; 12 BP.
XX
AC ABI01219;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 301192 for detecting SNP TSC0019390.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

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PT methylation status.
XX
PS Claim 1; SEQ ID NO 301192; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 944 TTGGTTTAATG 954
Db 11 TAGGTTTAATG 1
RESULT 1530
ABH77115
ID ABH77115 standard; DNA; 12 BP.
XX
AC ABH77115;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 277108 for detecting SNP TSC0004386.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 277108; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 944 TTGGTTTAATG 954
Db 11 TAGGTTTAATG 1
RESULT 1531
ABH78200/C
ID ABH78200 standard; DNA; 12 BP.
XX
AC ABH78200;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 278193 for detecting SNP TSC0005779.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 278193; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 941 TCATTGGTTTA 951
Db 12 TTATTGGTTTA 2
```



PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 285101; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 913 TTGTGCTTTG 923  
 DB 12 TTGTGATTG 2  
 RESULT 1535  
 ABH85958  
 ID ABH85958 standard; DNA; 12 BP.  
 AC ABH85958;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 285951 for detecting SNP TSC0012518.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 CC Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 285951; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTTATGTAT 957  
 DB 1 GTTTAGTGTAT 11  
 RESULT 1536  
 ABI11522/c  
 ID ABI11522 standard; DNA; 12 BP.  
 AC ABI11522;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 311495 for detecting SNP TSC0024530.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 CC Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 311495; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 919 CTTTGCCTTT 929
DB 12 CTTTCCCTTT 2

RESULT 1537
ABH87880/c
ID ABH87880 standard; DNA; 12 BP.
XX
XX
AC ABH87880;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 287873 for detecting SNP TSC0013289.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 287873; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX
XX Claim 1; SEQ ID NO 287873; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 933 CCTCCTCTTCA 943
XX DB 11 CCTCCTTCA 1
XX
XX RESULT 1538
XX ABH88006/c
XX ID ABH88006 standard; DNA; 12 BP.
XX
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAATGT 955
XX DB 11 TGGTTGAATGT 1
XX
XX RESULT 1539.
XX ABI15780
XX ID ABI15780 standard; DNA; 12 BP.
XX
XX
XX AC ABI15780;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 315753 for detecting SNP TSC0027081.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX

```



CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;  
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 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 Db 12 TTATTTTCTTT 2  
 RESULT 1542  
 ABI57673  
 ID ABI57673 standard; DNA; 12 BP.  
 XX  
 AC ABI57673;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 357646 for detecting SNP TSC0006563.  
 XX  
 SN: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 357646; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 Db 12 TTATTTTCTTT 2  
 RESULT 1542  
 ABI57673  
 ID ABI57673 standard; DNA; 12 BP.  
 XX  
 AC ABI57673;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 357646 for detecting SNP TSC0006563.  
 XX  
 SN: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 357646; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCT 940  
 Db 1 ATCCCTCTCT 11  
 RESULT 1543  
 ABI59468/C  
 ID ABI59468 standard; DNA; 12 BP.  
 XX  
 AC ABI59468;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 359441 for detecting SNP TSC0051607.  
 XX  
 SN: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 359441; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAAAT 953  
 Db 12 ATTGGTTTAAAT 2  
 RESULT 1544  
 ABI73755  
 ID ABI73755 standard; DNA; 12 BP.  
 XX  
 AC ABI73755;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX





```
PS Claim 1; SEQ ID NO 379572; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTTGGTCTTTG 923
Db 12 TTTGGTCTTTG 2
XX
RESULT 1547
ABH95268/c
ID ABH95268 standard; DNA; 12 BP.
AC ABH95268;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 295261 for detecting SNP TSC0016512.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 295261; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX
CC Claim 1; SEQ ID NO 379572; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTTGGTCTTTG 923
Db 12 TTTGGTCTTTG 2
XX
RESULT 1547
ABH77356
ID ABH77356 standard; DNA; 12 BP.
XX
XX ABH77356;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 277349 for detecting SNP TSC0004446.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 277349; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 946 GGTATTATGTA 956
Db 1 GGTATTATGTA 11
XX
```

```

RESULT 1549
ABI05646/c
ID ABI05646 standard; DNA; 12 BP.
XX
XX
AC ABI05646;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 305619 for detecting SNP TSC0021533.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 305619; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 913 TTGTGCTTTG 923
Db 12 TTGTGTTTGT 2

RESULT 1550
ABI05712/c
ID ABI05712 standard; DNA; 12 BP.
XX
XX
AC ABI05712;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 305685 for detecting SNP TSC0021562.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 305685; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 926 TTTATCCCTC 936
Db 11 TTTATCCCTC 1

RESULT 1551
ABI33186
ID ABI33186 standard; DNA; 12 BP.
XX
XX
AC ABI33186;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 333159 for detecting SNP TSC0037390.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX

```

PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 333159; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTTAATGAT 957  
DB 2 GTTTAGTAT 12  
RESULT 1552  
ABI09449/C  
ID ABI09449 standard; DNA; 12 BP.  
XX AC ABI09449;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 309422 for detecting SNP TSC0023520.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 309422; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 4 A; 1 C; 4 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 957 TCGCTACCAAC 967  
DB 12 TCGCTACTAAC 2  
RESULT 1553  
ABH85370  
ID ABH85370 standard; DNA; 12 BP.  
XX AC ABH85370;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 285363 for detecting SNP TSC0012260.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 285363; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;

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Best Local Similarity 90.9%; Pred. No. 1.2e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 943 ATTGGTTTAAT 953
Db 1 ATTGGTTTAAT 11

RESULT 1554
AB110492/c
ID AB110492 standard; DNA; 12 BP.
XX
AC AB110492;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 310465 for detecting SNP TSC0023992.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 31045; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-AB099989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-AB099989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db 11 TATCGCTACCA 1

RESULT 1555
AB111455
ID AB111455 standard; DNA; 12 BP.
XX
AC AB111455;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db 11 TATCGCTACCA 1

RESULT 1555
AB111455
ID AB111455 standard; DNA; 12 BP.
XX
AC AB111455;

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XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 311428 for detecting SNP TSC0024493.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 311428; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-AB099989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 2 GATTTAATGTA 12

RESULT 1556
ABH88274/c
ID ABH88274 standard; DNA; 12 BP.
XX
AC ABH88274;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide primer SEQ ID NO 288267 for detecting SNP TSC0013439.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 288267; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGTGCTTTG 923
DB 11 TTGTGCTTTG 1
|||||
RESULT 1557
ABI13515
ID ABI13515 standard; DNA; 12 BP.
XX
XX AC ABI13515;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 313488 for detecting SNP TSC0025793.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 313488; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGTGCTTTG 923
DB 11 TTGTGCTTTG 1
|||||
RESULT 1558
ABI16205
ID ABI16205 standard; DNA; 12 BP.
XX
XX AC ABI16205;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 316178 for detecting SNP TSC0027321.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 316178; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGAT 957
DB 1 GTTTAATAT 11
|||||
RESULT 1558
ABI16205
ID ABI16205 standard; DNA; 12 BP.
XX
XX AC ABI16205;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 316178 for detecting SNP TSC0027321.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 316178; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;
```

CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953  
 | | | | | | | | | |  
 1 AATGGTTTAAAT 11

Db  
 RESULT 1559  
 ABI44606/c  
 ID ABI44606 standard; DNA; 12 BP.  
 XX AC ABI44606;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide primer SEQ ID NO 344579 for detecting SNP TSC0043622.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 344579; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 8 A; 0 C; 3 G; 1 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936  
 | | | | | | | | | |  
 926 TTTTATCCCTC 936

Db 12 TTTTATCCCTC 2  
 RESULT 1560  
 ABI50901  
 ID ABI50901 standard; DNA; 12 BP.  
 XX AC ABI50901;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide primer SEQ ID NO 350874 for detecting SNP TSC0046946.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 350874; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957  
 | | | | | | | | | |  
 1 GTTAAATGAT 11

Db  
 RESULT 1561  
 ABI52089/c  
 ID ABI52089 standard; DNA; 12 BP.  
 XX AC ABI52089;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide primer SEQ ID NO 352062 for detecting SNP TSC0000462.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 352062; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 1 C; 1 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 904 GTCATTTCCTT 914  
 DB |||||  
 12 GTATTTTCCTT 2  
 RESULT 1562  
 ABI56543  
 ID ABI56543 standard; DNA; 12 BP.  
 XX  
 AC ABI56543;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 356516 for detecting SNP TSC0050162.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR

XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 356516; 29pp + Sequence Listing; German.  
 PS This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 946 GGTTTAAATGTA 956  
 DB ||||||  
 2 GATTTAAATGTA 12  
 RESULT 1563  
 ABI80978  
 ID ABI80978 standard; DNA; 12 BP.  
 XX  
 AC ABI80978;  
 XX 22-FEB-2002 (first entry)  
 DT Oligonucleotide primer SEQ ID NO 380951 for detecting SNP TSC0064069.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 380951; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 TTTCCTTTTA 930  
Db 2 TTTCCTTTTA 12  
||| |||||

RESULT 1564  
ABI1986  
ID ABI1986 standard; DNA; 12 BP.  
XX AC ABI1986;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 381959 for detecting SNP TSC0004779.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 381959; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 925 CTTTATCCCT 935  
Db 1 CTTTATCCCT 11  
||||| |||

RESULT 1565  
ABH68546  
ID ABH68546 standard; DNA; 12 BP.  
XX AC ABH68546;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 268523 for detecting SNP TSC0001198.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 268523; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CTTTATCCCT 934  
Db 2 CTTTATCCCT 12  
||||| |||

RESULT 1566  
ABH72306/c





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DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 329412; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 1 TTGGTATTTG 11
XX
RESULT 1569
AB135162
ID AB135162 standard; DNA; 12 BP.
XX
AC AB135162;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 335135 for detecting SNP TSC0038619.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 335135; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 1 TTGGTATTTG 11
XX
RESULT 1570
AB142659/c
ID AB142659 standard; DNA; 12 BP.
XX
AC AB142659;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342632 for detecting SNP TSC0042638.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 342632; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
Db 12 GTTAAATGTT 2

RESULT 1576
ABH92716/C
ID ABH92716 standard; DNA; 12 BP.
XX
AC ABH92716;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 292709 for detecting SNP TSC0015314.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 292709; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 11 TTATTTGGTTT 1

RESULT 1578
ABH69570/C
ID ABH69570 standard; DNA; 12 BP.
XX
AC ABH69570;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 259547 for detecting SNP TSC0001803.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```



CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954  
 Db 1 TTGGTTTAATG 11  
 |||||

RESULT 1581  
 ABI04806  
 ID ABI04806 standard; DNA; 12 BP.  
 XX AC ABI04806;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 304779 for detecting SNP TSC0021108.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 304779; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTTATCCC 934  
 Db 2 CCTTTTATCCC 12  
 |||||

RESULT 1582  
 ABI30458/C  
 ID ABI30458 standard; DNA; 12 BP.  
 XX AC ABI30458;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 330431 for detecting SNP TSC0035524.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 330431; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 10 A; 0 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915  
 Db 11 TCATTTTCTTT 1  
 |||||

RESULT 1583  
 ABH81369/C  
 ID ABH81369 standard; DNA; 12 BP.  
 XX

AC ABH81369;  
XX 22-FEB-2002 (first entry)  
DT  
XX  
DE Oligonucleotide primer SEQ ID NO 281362 for detecting SNP TSC0009680.  
XX  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX  
PD 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 281362; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT2073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Claim 1; SEQ ID NO 281362; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT2073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 6 A; 1 C; 3 G; 2 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 903 GGTCAATTTCT 913  
Db 12 GATCAATTTCT 2  
RESULT 1584  
ABI07319/C  
ID ABI07319 standard; DNA; 12 BP.  
XX  
XX ABI07319;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide primer SEQ ID NO 307292 for detecting SNP TSC002421.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN

XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 307292; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT2073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 929 TATCCCTCTTC 939  
Db 12 TATCCCTCTTC 2  
RESULT 1585  
ABI33794  
ID ABI33794 standard; DNA; 12 BP.  
XX  
XX ABI33794;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide primer SEQ ID NO 333767 for detecting SNP TSC0037745.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX



PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 333767; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCTTT 915  
 Db 1 TCTTTTCTTT 11  
 RESULT 1586  
 ABH84208/C  
 ID ABH84208 standard; DNA; 12 BP.  
 XX  
 AC ABH84208;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 284201 for detecting SNP TSC0011713.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 FN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 284201; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTTCTTTGGT 918  
 Db 12 TTTTCTTTGGT 2  
 RESULT 1587  
 ABI09480/C  
 ID ABI09480 standard; DNA; 12 BP.  
 XX  
 AC ABI09480;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 309453 for detecting SNP TSC0023535.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 FN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 309453; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGCTTTAAT 953

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Db      11 ATTGTTTAAT 1
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RESULT 1588
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 337481 for detecting SNP TSC0013896.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 337481; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
XX
Db 2 TTCATTGGTTT 12
XX
XX ||||| |||||
RESULT 1589
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 289337 for detecting SNP TSC0013896.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 289337; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATTGGTTT 950
XX
Db 2 TTCATTGGTTT 12
XX
XX ||||| |||||

```

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XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
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PI WPI; 2001-657177/75.
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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
XX
Db 1 TCATTGGTTTA 11
XX
XX ||||| |||||
RESULT 1590
ABH9344
ID ABH9344 standard; DNA; 12 BP.
XX
AC ABH9344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 347869 for detecting SNP TSC0045314.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 347869; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 935 TCCTCTTCATT 945  
Db 12 TCCTCTTCATT 2  
RESULT 1591  
ABI58941  
ID ABI58941 standard; DNA; 12 BP.  
XX  
XX AC ABI58941;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 358914 for detecting SNP TSC0004549.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 358914; 29pp + Sequence Listing; German.  
PS  
PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 347869; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 944 TTGGTTTAAATG 954  
Db 2 TTGGTTTAAATG 12  
RESULT 1592  
ABI74012/C  
ID ABI74012 standard; DNA; 12 BP.  
XX  
XX AC ABI74012;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 373985 for detecting SNP TSC0060439.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 373985; 29pp + Sequence Listing; German.  
PS  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 944 TTGGTTTAAATG 954  
Db 2 TTGGTTTAAATG 12



```
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 377543; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTTCCTT 915
DB 1 TCATTTTCCTT 11
RESULT 1596
ABI64574/C
ID ABI64574 standard; DNA; 12 BP.
XX AC ABI64574;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 364547 for detecting SNP TSC0054560.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 364547; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCATTTTCCTT 915
DB 1 TCATTTTCCTT 11
RESULT 1596
ABI64574/C
ID ABI64574 standard; DNA; 12 BP.
XX AC ABI64574;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 364547 for detecting SNP TSC0054560.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 364547; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTAAATG 954
DB 12 TTGGTTTAAATG 2
RESULT 1597
ABI18132
ID ABI18132 standard; DNA; 12 BP.
XX AC ABI18132;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 318105 for detecting SNP TSC0028448.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 318105; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
SQ Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTAAATG 954
DB 12 TTGGTTTAAATG 2
```

CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ASC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923

Db 2 TTGGTCTTTG 12

RESULT 1598

ABI18634  
 ID ABI18634 standard; DNA; 12 BP.

AC ABI18634;

XX  
 DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 318607 for detecting SNP TSC0028759.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 318607; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 909 TTCTCTTTGGTC 919  
 Db 1 TTATTATTGGTC 11

RESULT 1599

ABH68690/c  
 ID ABH68690 standard; DNA; 12 BP.

XX ABH68690;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 268667 for detecting SNP TSC0001288.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-1B000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 268667; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

Db 12 ATTTTTTGG 2

RESULT 1600

ABI18684/c

ID ABI18684 standard; DNA; 12 BP.

XX ABI18684;

XX

```

DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 318657 for detecting SNP TSC0028791.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 318657; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 5 C; 0 G; 1 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 944 TTGGTTTATG 954
XX |||||
XX 11 TTGGTTTATG 1
XX
XX RESULT 1601
XX AB119115/c
XX ID AB119115 standard; DNA; 12 BP.
XX
XX AC AB119115;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 319088 for detecting SNP TSC0029063.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 319088; 39pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 935 TCCTCTTCATT 945
XX |||||
XX 11 TCCTCTTCATT 1
XX
XX RESULT 1602
XX ABH69645
XX ID ABH69645 standard; DNA; 12 BP.
XX
XX AC ABH69645;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 269622 for detecting SNP TSC0001826.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

```

PT methylation status.

PS Claim 1; SEQ ID NO 269622; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 943 ATTGGTTTAAT 953

Db 1 ATTGGTTTGAAT 11

RESULT 1603

ABH77233/C

ID ABH77233 standard; DNA; 12 BP.

XX

AC ABH77233;

XX

XX 22-FEB-2002 (first entry)

DE

XX Oligonucleotide primer SEQ ID NO 277226 for detecting SNP TSC0004412.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

XX WO200177384-A2.

PN

XX 18-OCT-2001.

PD

XX 06-APR-2001; 2001WO-IB000713.

PF

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI

XX WPI; 2001-657177/75.

DR

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PT

PT

XX

PS Claim 1; SEQ ID NO 277226; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 933 CCTCCTCTTCA 943

Db 12 CCTCCTCTTCA 2

RESULT 1604

ABI33399/C

ID ABI33399 standard; DNA; 12 BP.

XX

AC ABI33399;

XX

XX 22-FEB-2002 (first entry)

DE

XX Oligonucleotide primer SEQ ID NO 333372 for detecting SNP TSC0037508.

XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

XX WO200177384-A2.

FN

XX 18-OCT-2001.

PD

XX 06-APR-2001; 2001WO-IB000713.

PF

XX 07-APR-2000; 2000DE-01019173.

PR

XX (EPIG-) EPIGENOMICS AG.

PA

XX Olek A, Piepenbrock C, Berlin K;

PI

XX WPI; 2001-657177/75.

DR

XX

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PT

PT

XX

PS Claim 1; SEQ ID NO 333372; 29pp + Sequence Listing; German.

XX

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;

Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 933 CCTCCTCTTCA 943

Db 12 CCTCCTCTTCA 2



```

RESULT 1605
ABH84721/c
ID ABH84721 standard; DNA; 12 BP.
XX
XX
AC ABH84721;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 284714 for detecting SNP TSC0011956.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 284714; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 948 TTTAATGATC 958
DB 11 TTTAATTATC 1
XX
RESULT 1606
AB112047
ID AB112047 standard; DNA; 12 BP.
XX
XX
AC AB112047;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 312020 for detecting SNP TSC0024801.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 312020; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTAAATG 954
DB 1 TTGGTTTATG 11
XX
RESULT 1607
ABH87714
ID ABH87714 standard; DNA; 12 BP.
XX
XX
AC ABH87714;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 287707 for detecting SNP TSC0013215.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX

```

PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 287707; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 920 TTGCGCTTTTA 930  
 Db 1 TTTACCTTTTA 11  
 XX  
 RESULT 1608  
 ABH87988/c  
 ID ABH87988 standard; DNA; 12 BP.  
 XX  
 AC ABH87988;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 287981 for detecting SNP TSC0013331.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 287981; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 920 TTGCGCTTTTA 930  
 Db 1 TTTACCTTTTA 11  
 XX  
 RESULT 1608  
 ABH87988/c  
 ID ABH87988 standard; DNA; 12 BP.  
 XX  
 AC ABH87988;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 287981 for detecting SNP TSC0013331.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 287981; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 946 GGTTTAATGTA 956  
 Db 12 GTTTAATGTA 2  
 XX  
 RESULT 1609  
 ABI38524  
 ID ABI38524 standard; DNA; 12 BP.  
 XX  
 AC ABI38524;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 338497 for detecting SNP TSC0040521.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 338497; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;  
 XX

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Query Match      12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 2 ATTGGTTTAAAT 12

RESULT 1610
ABH88715
ID ABH88715 standard; DNA; 12 BP.
XX
AC ABH88715;
XX
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 288708 for detecting SNP TSC0013638.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 288708; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917
Db 2 ATTTCCTTGG 12

RESULT 1611
ABI14005/C
ID ABI14005 standard; DNA; 12 BP.
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917
Db 2 ATTTCCTTGG 12

RESULT 1611
ABI14005/C
ID ABI14005 standard; DNA; 12 BP.
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 11 AGTGGTTTAAAT 1

RESULT 1612
ABI42987
ID ABI42987 standard; DNA; 12 BP.
XX
XX AB142987;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342960 for detecting SNP TSC0042805.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
```

```
XX
AC ABI14005;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 313978 for detecting SNP TSC0026057.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 313978; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
Db 11 AGTGGTTTAAAT 1

RESULT 1612
ABI42987
ID ABI42987 standard; DNA; 12 BP.
XX
XX AB142987;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342960 for detecting SNP TSC0042805.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
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PN WO200177384-A2.
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
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XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 342960; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 9 C; 0 G; 3 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 932 CCCTCCCTCTC 942
XX DB 1 CCCTCCCTCTC 11
XX
XX RESULT 1613
XX ABI52776
XX ID ABI52776 standard; DNA; 12 BP.
XX
XX AC ABI52776;
XX
XX XX 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 352749 for detecting SNP TSC0048074.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 352749; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
SQ
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. NO. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 931 TCCCTCTCTCT 941
XX DB 1 TCCCTCTCTCT 11
XX
XX RESULT 1614
XX ABI56583/C
XX ID ABI56583 standard; DNA; 12 BP.
XX
XX AC ABI56583;
XX
XX XX 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 356556 for detecting SNP TSC0050181.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX XX WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 356556; 29pp + Sequence Listing; German.
PS
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 0 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
SQ

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CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGTAT 957  
Db 12 GTTTAATGTAT 2  
  
RESULT 1615  
ABI71653  
ID ABI71653 standard; DNA; 12 BP.  
XX  
AC ABI71653;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 371626 for detecting SNP TSC0001145.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PS (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 371626; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

QY 946 GGTTTAATGTGA 956  
Db 1 GGTTTAATGTGA 11  
  
RESULT 1616  
ABI72642  
ID ABI72642 standard; DNA; 12 BP.  
XX  
AC ABI72642;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 372615 for detecting SNP TSC0059501.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PS (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 372615; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGTAT 957  
Db 2 GTTTAATGTAT 12  
  
RESULT 1617  
ABI60565/c  
ID ABI60565 standard; DNA; 12 BP.  
XX  
AC ABI60565;  
XX  
DT 22-FEB-2002 (first entry)  
XX

DE Oligonucleotide primer SEQ ID NO 360538 for detecting SNP TSC0052120.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 360538; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 929 TATCCTCTCTC 939  
 DB 11 TATCCTCTCTC 1  
 RESULT 1618  
 ABH67611/c  
 ID ABH67611 standard; DNA; 12 BP.  
 XX AC ABH67611;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 267588 for detecting SNP TSC0000361.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 267588; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 1 C; 6 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 957 TCGCTACCAAC 967  
 DB 12 TCGCTACCAAC 2  
 RESULT 1619  
 ABH67642  
 ID ABH67642 standard; DNA; 12 BP.  
 XX AC ABH67642;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 267619 for detecting SNP TSC0000400.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX 06-APR-2001; 2001WO-IB000713.

```
PS Claim 1; SEQ ID NO 267619; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTGGT 918
Db 2 TTTTCTTGGT 12
RESULT 1620
ABH68426/c
ID ABH68426 standard; DNA; 12 BP.
XX
AC ABH68426;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 268403 for detecting SNP TSC0001101.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 268403; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 0 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1
RESULT 1621
ABI20894/c
ID ABI20894 standard; DNA; 12 BP.
XX
AC ABI20894;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 320867 for detecting SNP TSC0029940.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 320867; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
Db 11 ATTGGTTTAAAT 1
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PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 336205; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 941 TCATTGGTTA 951  
Db 1 TTATTGGTTA 11  
  
RESULT 1625  
ABI37912/C  
ID ABI37912 standard; DNA; 12 BP.  
XX  
AC ABI37912;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 337885 for detecting SNP TSC0040125.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 337885; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 9 A; 0 C; 1 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 905 TCATTTCCTTT 915  
Db 12 TAATTTTCCTTT 2  
  
RESULT 1626  
ABI39499/C  
ID ABI39499 standard; DNA; 12 BP.  
XX  
AC ABI39499;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 339472 for detecting SNP TSC0041026.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 339472; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 12;

```

Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGTACCAA 966
DB 12 ATCCCTACCAA 2
|||||

RESULT 1627
ABH90292
ID ABH90292 standard; DNA; 12 BP.
XX
AC ABH90292;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 290285 for detecting SNP TSC0014272.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 290285; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 1 A; 3 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
DB 1 TCCTCTTCATT 11
|||||

RESULT 1628
ABI16306
ID ABI16306 standard; DNA; 12 BP.
XX
AC ABI16306;
XX

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```

XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 316279 for detecting SNP TSC0027369.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 316279; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTAATG 954
DB 2 TTGGTTTAATG 12
|||||

RESULT 1629
ABI42572
ID ABI42572 standard; DNA; 12 BP.
XX
AC ABI42572;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 342545 for detecting SNP TSC0042593.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 342545; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 945 TCGTTTAATGT 955
DB 1 TCGTTAAATGT 11
RESULT 1630
ABI44042/c
ID ABI44042 standard; DNA; 12 BP.
XX
XX ABI44042;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344015 for detecting SNP TSC0043334.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 344682; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
DB 12 TTGGTATTG 2
RESULT 1631
ABI44709/c
ID ABI44709 standard; DNA; 12 BP.
XX
XX ABI44709;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344682 for detecting SNP TSC0043663.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 344682; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
SQ
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGGTCTTTG 923
DB 12 TTGGTATTG 2
```

CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 |||||  
 QY 955 TATCGTACCA 965  
 Db 11 TATCACTACCA 1  
 RESULT 1632  
 ABI1393/c  
 ID ABI1393 standard; DNA; 12 BP.  
 XX  
 AC ABI1393;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 351366 for detecting SNP TSC0047247.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 351366; 29pp + Sequence Listing; German.  
 XX  
 This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 |||||  
 QY 925 CTTTATCCCT 935  
 Db 11 TATCACTACCA 1  
 RESULT 1632  
 ABI1393/c  
 ID ABI1393 standard; DNA; 12 BP.  
 XX  
 AC ABI1393;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 351366 for detecting SNP TSC0047247.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 351366; 29pp + Sequence Listing; German.  
 XX  
 This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 0 C; 4 G; 0 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 |||||

Db 12 CTTTTTCCT 2  
 RESULT 1633  
 ABI169673  
 ID ABI169673 standard; DNA; 12 BP.  
 XX  
 AC ABI169673;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 369646 for detecting SNP TSC0057765.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 369646; 29pp + Sequence Listing; German.  
 XX  
 This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 |||||  
 QY 905 TCATTTTCCTT 915  
 Db 1 TTTATTTTCCTT 11  
 RESULT 1634  
 ABI17791  
 ID ABI17791 standard; DNA; 12 BP.  
 XX  
 AC ABI17791;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 317764 for detecting SNP TSC0028237.  
 XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX PS Claim 1; SEQ ID NO 317764; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 907 ATTTCCTTTGG 917  
DB 2 ATTTTITGG 12  
|||||  
RESULT 1635  
ABI20824  
ID ABI20824 standard; DNA; 12 BP.  
XX  
XX AC ABI20824;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide primer SEQ ID NO 320797 for detecting SNP TSC0029887.  
XX  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PS Claim 1; SEQ ID NO 317764; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX  
XX Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 907 ATTTCCTTTGG 917  
DB 2 ATTTTITGG 12  
|||||  
RESULT 1635  
ABI20824  
ID ABI20824 standard; DNA; 12 BP.  
XX  
XX AC ABI20824;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide primer SEQ ID NO 320797 for detecting SNP TSC0029887.  
XX  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX

XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX PS Claim 1; SEQ ID NO 320797; 29pp + Sequence Listing; German.  
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XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
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XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX  
XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;  
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 922 TGCCTTTTATC 932  
DB 1 TACCTTTTATC 11  
|||||  
RESULT 1636  
ABH72500  
ID ABH72500 standard; DNA; 12 BP.  
XX  
XX AC ABH72500;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide primer SEQ ID NO 272485 for detecting SNP TSC0002831.  
XX  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX DR WPI; 2001-657177/75.  
XX  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX PS Claim 1; SEQ ID NO 272485; 29pp + Sequence Listing; German.  
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
Db 2 TTTTCTTTGGT 12  
|||||

RESULT 1637  
ABI22516/c  
ID ABI22516 standard; DNA; 12 BP.  
XX AC ABI22516;  
DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 322489 for detecting SNP TSC0030898.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX Claim 1; SEQ ID NO 322489; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
Db 2 TTTTCTTTGGT 12  
|||||

RESULT 1637  
ABI22516/c  
ID ABI22516 standard; DNA; 12 BP.  
XX AC ABI22516;  
DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 322489 for detecting SNP TSC0030898.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX Claim 1; SEQ ID NO 322489; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936  
Db 11 TTTTATCCCTC 1  
|||||

RESULT 1638  
ABH76419/c  
ID ABH76419 standard; DNA; 12 BP.  
XX AC ABH76419;  
DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 276412 for detecting SNP TSC0004181.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX Claim 1; SEQ ID NO 276412; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATGGGTTTAAAT 953  
Db 11 ATAGGTTTAAAT 1  
|||||

RESULT 1639  
ABI26786

```

ID AB126786 standard; DNA; 12 BP.
AC AB126786;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 326759 for detecting SNP TSC0033267.
XX
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
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XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 326759; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCATGTGTTT 950
Dd 1 TTAATGTGTTT 11
XX
RESULT 1640
ABI33589/c
ID ABI33589 standard; DNA; 12 BP.
XX
XX ABI33589;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 333562 for detecting SNP TSC0037603.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.

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XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 333562; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 945 TGGTTTAATGT 955
Dd 11 TGGTTTAATGT 1
XX
RESULT 1641
ABI11718/c
ID ABI11718 standard; DNA; 12 BP.
XX
XX ABI11718;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 311691 for detecting SNP TSC0024623.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX

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DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 311691; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 921 TTGCTTTTAT 931  
DB 11 TTCTTTTAT 1  
  
RESULT 1642  
ABI38333/C  
ID ABI38333 standard; DNA; 12 BP.  
XX  
AC ABI38333;  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide primer SEQ ID NO 338306 for detecting SNP TSC0040394.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 338306; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 921 TTGCTTTTAT 931  
DB 11 TTCTTTTAT 1  
  
RESULT 1642  
ABI38333/C  
ID ABI38333 standard; DNA; 12 BP.  
XX  
AC ABI38333;  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide primer SEQ ID NO 338306 for detecting SNP TSC0040394.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 338306; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAT 953  
DB 12 ATTGGTTTAT 2  
  
RESULT 1643  
ABI16656/C  
ID ABI16656 standard; DNA; 12 BP.  
XX  
AC ABI16656;  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide primer SEQ ID NO 316629 for detecting SNP TSC0027531.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 316629; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;





PF 06-APR-2001; 2001WO-1B000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 370193; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 930 ATCCCTCCTCT 940  
 DB 2 ATCCCTCCTCT 12  
 RESULT 1647  
 ABI58755  
 ID ABI58755 standard; DNA; 12 BP.  
 AC ABI58755;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 358728 for detecting SNP TSC0051269.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-1B000713.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 358728; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 305 TCATTTTCCTTT 915  
 DB 1 TCATTTTCCTTT 11  
 RESULT 1648  
 ABI75442/C  
 ID ABI75442 standard; DNA; 12 BP.  
 XX ABI75442;  
 AC 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 375415 for detecting SNP TSC0061236.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-1B000713.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 375415; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 0 Other;

  Query Match          12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCTCTTCA 943
Db 12 CCACCTCTTCA 2

RESULT 1649
ABI20880/c
ID ABI20880 standard; DNA; 12 BP.
AC
XX ABI20880;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 320853 for detecting SNP TSC0029932.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 320853; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 0 Other;

  Query Match          12.9%; Score 9.4; DB 1; Length 12;
  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 11 TTTTCTTTGGT 1

RESULT 1650
ABI20938/c
ID ABI20938 standard; DNA; 12 BP.
AC
XX ABI20938;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 327911 for detecting SNP TSC0039970.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 XX  
 PD 18-OCT-2001.  
 XX  
 XX  
 PP 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 327911; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
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 XX  
 PS Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 934 CTCCTCTTCAT 944  
 DB 11 CTCCTCTTCAT 1  
 XX  
 RESULT 1652  
 ABH80035  
 ID ABH80035 standard; DNA; 12 BP.  
 XX  
 AC ABH80035;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide primer SEQ ID NO 280028 for detecting SNP TSC0008055.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PP 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 280028; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 CC Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 946 GGTTTAAATGA 956  
 DB 2 GGTTTAAATGA 12  
 XX  
 RESULT 1653  
 AB107190/c  
 ID AB107190 standard; DNA; 12 BP.  
 XX  
 AC AB107190;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide primer SEQ ID NO 307163 for detecting SNP TSC0022367.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 PP 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 307163; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966  
Db 11 ATCACTACCAA 1  
|||||

RESULT 1654  
ABH82598/c  
ID ABH82598 standard; DNA; 12 BP.  
XX  
AC ABH82598;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 282591 for detecting SNP TSC0010898.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PS (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 282591; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGTATCG 959  
Db 11 TTATTGTATCG 1  
|||||

RESULT 1655  
ABH84297  
ID ABH84297 standard; DNA; 12 BP.  
XX  
AC ABH84297;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 284290 for detecting SNP TSC0011757.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PS (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 284290; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955  
Db 1 TGGATTAATGT 11  
|||||

RESULT 1656  
ABI68617  
ID ABI68617 standard; DNA; 12 BP.  
XX

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AC AB168617;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide primer SEQ ID NO 368590 for detecting SNP TSC0057099.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 368590; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 921 TTGCTTTTAT 931
Db 2 TTCCCTTTAT 12
XX
RESULT 1657
AB157840
ID AB157840 standard; DNA; 12 BP.
XX
XX
AC AB157840;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide primer SEQ ID NO 357813 for detecting SNP TSC0050805.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
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XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 357813; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
XX
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 940 TTCAATGGTTT 950
Db 2 TTAATGGTTT 12
XX
RESULT 1658
AB177565
ID AB177565 standard; DNA; 12 BP.
XX
XX
AC AB177565;
XX
XX
DT 22-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide primer SEQ ID NO 377538 for detecting SNP TSC0062375.
XX
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
PI WPI; 2001-657177/75.
XX
XX

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PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

PS Claim 1; SEQ ID NO 377538; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 4 A; 2 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958  
DB 2 TTTAATATATC 12  
|||||

RESULT 1659

ABI79088

ID ABI79088 standard; DNA; 12 BP.

XX

AC ABI79088;

XX

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 379061 for detecting SNP TSC0063057.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

WO200177384-A2.

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

PS Claim 1; SEQ ID NO 379061; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953  
DB 1 AGTGGTTTAAAT 11  
|||||

RESULT 1660

ABI20744

ID ABI20744 standard; DNA; 12 BP.

XX

AC ABI20744;

XX

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 320717 for detecting SNP TSC0029858.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

WO200177384-A2.

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

PS Claim 1; SEQ ID NO 320717; 29pp + Sequence Listing; German.

XX

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 12 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAAATGT 955

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Mon Oct 18 14:40:13 2004

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XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  Homo sapiens.
XX  WO200177384-A2.
XX  18-OCT-2001.
XX  06-APR-2001; 2001WO-IB000713.
XX  07-APR-2000; 2000DE-01019173.
XX  (EPIG-) EPIGENOMICS AG.
XX  Olek A, Piepenbrock C, Berlin K;
XX  WPI; 2001-657177/75.
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX  Claim 1; SEQ ID NO 329617; 29pp + Sequence Listing; German.
XX  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX  Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
XX  Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX  Qy 933 CCTCTCTTCA 943
XX  Db 2 CCTCTCTTAA 12
XX  RESULT 1663
XX  ABI31489/c
XX  ID ABI31489 standard; DNA; 12 BP.
XX  AC ABI31489;
XX  XX 22-FEB-2002 (first entry)
XX  DE Oligonucleotide primer SEQ ID NO 331462 for detecting SNP TSC0036246.
XX  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX  Homo sapiens.
XX  WO200177384-A2.
XX  18-OCT-2001.
XX  06-APR-2001; 2001WO-IB000713.
XX  07-APR-2000; 2000DE-01019173.
XX  (EPIG-) EPIGENOMICS AG.
XX  Olek A, Piepenbrock C, Berlin K;
XX  WPI; 2001-657177/75.
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX  Claim 1; SEQ ID NO 274417; 29pp + Sequence Listing; German.
XX  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX  Sequence 12 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 0 Other;
XX  Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX  Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX  Qy 908 TTTTCTTTGT 918
XX  Db 12 TTTTCTTTGT 2
XX  RESULT 1662
XX  ABI29644
XX  ID ABI29644 standard; DNA; 12 BP.
XX  AC ABI29644;
XX  XX 22-FEB-2002 (first entry)
XX  DE Oligonucleotide primer SEQ ID NO 329617 for detecting SNP TSC0035036.

```



PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
PI WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 331462; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 944 TTGGTTTAAATG 954  
DB 11 TTGGTTTAAATG 1  
RESULT 1664  
ABI08780  
ID ABI08780 standard; DNA; 12 BP.  
XX  
XX  
AC ABI08780;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 308753 for detecting SNP TSC0023199.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 308753; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGAT 957  
DB 1 GTTAAATGAT 11  
RESULT 1665  
ABH84725  
ID ABH84725 standard; DNA; 12 BP.  
XX  
XX  
AC ABH84725;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 284718 for detecting SNP TSC0011966.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 284718; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

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XX SQ Sequence 12 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 1 TTTTGGTTGGT 11

RESULT 1666
ABI34822/C
ID ABI34822 standard; DNA; 12 BP.
XX AC ABI34822;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 334795 for detecting SNP TSC0038408.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 311567 for detecting SNP TSC0024557.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 311567; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TCATTGGTTT 950
Db 2 TTTATTGGTTT 12

RESULT 1668
ABI12283/C
ID ABI12283 standard; DNA; 12 BP.
XX AC ABI12283;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 312256 for detecting SNP TSC0024937.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 334795; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTT 951
Db 12 TGATTGGTTT 2

RESULT 1667

```



CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915  
 DB 12 TCATTTCCT 2

RESULT 1671  
 ABI45021/c  
 ID ABI45021 standard; DNA; 12 BP.  
 XX  
 AC ABI45021;  
 XX  
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 344994 for detecting SNP TSC0043814.  
 DE  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.  
 XX WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 344994; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX  
 SQ Sequence 12 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 940 TTGATTGGTTT 950  
 DB 11 TTGATTGGTTT 1

RESULT 1672  
 ABI48099/c  
 ID ABI48099 standard; DNA; 12 BP.

XX  
 AC ABI48099;  
 XX  
 DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 348072 for detecting SNP TSC0010192.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 348072; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944  
 DB 12 CTCCTCTTCCT 2

RESULT 1673  
 ABI48703/c  
 ID ABI48703 standard; DNA; 12 BP.

XX  
 AC ABI48703;

XX

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DT 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 348676 for detecting SNP TSC0000619.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 348676; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 11 ATTGGTTTAAAT 1
RESULT 1674
ABI58212
ID ABI58212 standard; DNA; 12 BP.
XX
XX ABI58212;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 358185 for detecting SNP TSC0050983.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 348676; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAAT 953
DB 11 ATTGGTTTAAAT 1
RESULT 1674
ABI58212
ID ABI58212 standard; DNA; 12 BP.
XX
XX ABI58212;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 358185 for detecting SNP TSC0050983.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 358185; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 930 ATCTCTCTCTCT 940
DB 1 ATCTCTCTCT 11
RESULT 1675
ABI74928/c
ID ABI74928 standard; DNA; 12 BP.
XX
XX ABI74928;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 374901 for detecting SNP TSC0060962.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```



XX	Result 1678
XX	ABH67832
XX	ID ABH67832 standard; DNA; 12 BP.
XX	AC ABH67832;
XX	AC ABH67832;
XX	DT 22-FEB-2002 (first entry)
XX	XX 22-FEB-2002 (first entry)
XX	DE Oligonucleotide primer SEQ ID NO 267809 for detecting SNP TSC0000567.
XX	XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX	KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	OS Homo sapiens.
XX	XX
XX	FN WO200177384-A2.
XX	XX 18-OCT-2001.
XX	PD 18-OCT-2001.
XX	XX 06-APR-2001; 2001WO-IB0000713.
XX	PF 06-APR-2001; 2001WO-IB0000713.
XX	XX 07-APR-2000; 2000DE-01019173.
XX	PR 07-APR-2000; 2000DE-01019173.
XX	XX (EPiG-) EPIGENOMICS AG.
XX	PA (EPiG-) EPIGENOMICS AG.
XX	XX Olek A, Piepenbrock C, Berlin K;
XX	PI Olek A, Piepenbrock C, Berlin K;
XX	DR WPI; 2001-657177/75.
XX	XX
XX	PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX	PT designed to detect single-nucleotide polymorphisms and cytosine
XX	PT methylation status.
XX	XX
XX	PS Claim 1; SEQ ID NO 267809; 29pp + Sequence Listing; German.
XX	XX
XX	CC This invention describes novel oligonucleotide primers or peptide nucleic
XX	CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX	CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX	CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX	CC range of diseases including immune system, gastrointestinal, respiratory,
XX	CC central nervous system, cardiovascular and metabolic disorders. The
XX	CC oligomers are also used for detecting cell type differentiation. ABC000010
XX	CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX	CC represent the oligomers described in the invention. NOTE: The sequence
XX	CC data for this patent did not form part of the printed specification, but
XX	CC was obtained in electronic format from WIPO at
XX	CC ftp.wipo.int/pub/published_pct_sequences
XX	XX
XX	SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;
XX	XX
XX	Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX	Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
XX	Qy 908 TTTTCTTTGGT 918
XX	Db 1 TTTTATTGGT 11
XX	XX
XX	RESULT 1679
XX	ABH93422
XX	ID ABH93422 standard; DNA; 12 BP.
XX	AC ABH93422;
XX	AC ABH93422;
XX	DT 22-FEB-2002 (first entry)
XX	XX 22-FEB-2002 (first entry)
XX	DE Oligonucleotide primer SEQ ID NO 293415 for detecting SNP TSC00015609.
XX	XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

```

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 293415; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 12;
Best Local Similarity 90.9%; Pred. No. 1.2e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db |||||
2 GTTTAATATAT 12

RESULT 1680
ABI21368
ID ABI21368 standard; DNA; 12 BP.
XX
XX ABI21368;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 321341 for detecting SNP TSC0030183.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX

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PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 321341; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the invention. NOTE: The sequence  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCCTT 915  
 Db 2 TAATTTCCTT 12  
 RESULT 1681  
 ABH72328/c  
 ID ABH72328 standard; DNA; 12 BP.  
 XX AC ABH72328;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 272307 for detecting SNP TSC0002774.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 272307; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the invention. NOTE: The sequence  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCCTT 915  
 Db 2 TAATTTCCTT 12  
 RESULT 1681  
 ABH72328/c  
 ID ABH72328 standard; DNA; 12 BP.  
 XX AC ABH72328;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 272307 for detecting SNP TSC0002774.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 272307; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the invention. NOTE: The sequence  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 12;  
 Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 945 TGGTTTAATGT 955  
 Db 12 TGGTTTAATGT 2  
 RESULT 1682  
 ABH80677  
 ID ABH80677 standard; DNA; 12 BP.  
 XX AC ABH80677;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 280670 for detecting SNP TSC0008922.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 280670; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the invention. NOTE: The sequence  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;



Query Match	12.9%	Score 9.4	DB 1	Length 12
Best Local Similarity	90.9%	Pred. No. 1.2e+03		
Matches	10	Conservative	0	Mismatches 1; Indels 0
QY	940	TTCATTGGTTT	950	
DB	2	TTAATTGGTTT	12	
<p>RESULT 1683</p> <p>ABI06346</p> <p>ID ABI06346 standard; DNA; 12 BP.</p> <p>XX AC AC</p> <p>XX ABI06346;</p> <p>XX XX</p> <p>DT 22-FEB-2002 (first entry)</p> <p>XX XX</p> <p>DE Oligonucleotide primer SEQ ID NO 306319 for detecting SNP TSC0021944.</p> <p>XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;</p> <p>KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;</p> <p>KW central nervous system; gastrointestinal; respiratory; immune; metabolic.</p> <p>XX OS Homo sapiens.</p> <p>XX PN WO200177384-A2.</p> <p>XX PN</p> <p>PD 18-OCT-2001.</p> <p>XX PD</p> <p>PF 06-APR-2001; 2001WO-IB000713.</p> <p>XX PF</p> <p>XX 07-APR-2000; 2000DE-01019173.</p> <p>PR PR</p> <p>XX (EPIG-) EPIGENOMICS AG.</p> <p>XX PA</p> <p>XX Olek A, Piepenbrock C, Berlin K;</p> <p>PI WPI; 2001-657177/75.</p> <p>DR</p> <p>XX Set of oligonucleotides, useful for diagnosis and cell typing, is</p> <p>PT designed to detect single-nucleotide polymorphisms and cytosine</p> <p>PT methylation status.</p> <p>XX</p> <p>PS Claim 1; SEQ ID NO 306319; 29pp + Sequence Listing; German.</p> <p>XX</p> <p>CC This invention describes novel oligonucleotide primers or peptide nucleic</p> <p>CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)</p> <p>CC and cytosine methylation status in chemically pretreated genomic DNA. The</p> <p>CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a</p> <p>CC range of diseases including immune system, gastrointestinal, respiratory,</p> <p>CC central nervous system, cardiovascular and metabolic disorders. The</p> <p>CC oligomers are also used for detecting cell type differentiation. ABC00010</p> <p>CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073</p> <p>CC represent the oligomers described in the invention. NOTE: The sequence</p> <p>CC data for this patent did not form part of the printed specification, but</p> <p>CC was obtained in electronic format from WIPO at</p> <p>XX ftp.wipo.int/pub/published_pct_sequences</p> <p>XX</p> <p>SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;</p>				
QY	955	TATCGCTACCA	965	
DB	2	TATCCCTACCA	12	
<p>Query Match 12.9%; Score 9.4; DB 1; Length 12;</p> <p>Best Local Similarity 90.9%; Pred. No. 1.2e+03;</p> <p>Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;</p>				
QY	955	TATCGCTACCA	965	
DB	2	TATCCCTACCA	12	
<p>RESULT 1684</p> <p>ABI06717</p> <p>ID ABI06717 standard; DNA; 12 BP.</p>				



CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGTTTAAT 953  
Db 12 ATTGTTTAAT 2  
|||||

RESULT 1688  
ABH91642  
ID ABH91642 standard; DNA; 12 BP.  
AC ABH91642;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 291635 for detecting SNP TSC0014869.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 291635; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATCT 955  
Db 2 TGGTTTAATCT 12  
|||||

RESULT 1689  
ABI43225  
ID ABI43225 standard; DNA; 12 BP.  
XX  
AC ABI43225;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 343198 for detecting SNP TSC0042944.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 343198; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 12;  
Best Local Similarity 90.9%; Pred. No. 1.2e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944  
Db 1 CTCCTCTTCAT 11  
|||||

RESULT 1690  
ABI53189  
ID ABI53189 standard; DNA; 12 BP.  
XX  
AC ABI53189;  
XX  
DT 22-FEB-2002 (first entry)  
XX

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DE Oligonucleotide primer SEQ ID NO 353162 for detecting SNP TSC0048346.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
PN 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
PF 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 353162; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 1 GTTTAATATAT 11
RESULT 1691
ABI56672/c
ID ABI56672 standard; DNA; 12 BP.
XX
XX ABI56672;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 356645 for detecting SNP TSC0050236.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX Oligonucleotide primer SEQ ID NO 359703 for detecting SNP TSC0051714.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
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XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 356645; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the invention. NOTE: The sequence
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 12;
XX Best Local Similarity 90.9%; Pred. No. 1.2e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGTTTAAAT 953
DB 11 ATTGTTTAAAT 1
RESULT 1692
ABI59730
ID ABI59730 standard; DNA; 12 BP.
XX
XX ABI59730;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX Oligonucleotide primer SEQ ID NO 359703 for detecting SNP TSC0051714.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
```

```
PS Claim 1; SEQ ID NO 359703; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAAGTA 956
DB 1 GGTTTAAGTTA 11
RESULT 1693
ABI77595/C
ID ABI77595 standard; DNA; 12 BP.
XX
AC ABI77595;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377568 for detecting SNP TSC0062396.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 377568; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 12;
    Best Local Similarity 90.9%; Pred. No. 1.2e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAAGTA 956
DB 1 GGTTTAAGTTA 11
RESULT 1694
AAN50121/C
ID AAN50121 standard; DNA; 13 BP.
XX
AC AAN50121;
XX
DT 25-MAR-2003 (revised)
DT 17-OCT-1991 (first entry)
XX
DE 5' end of penicillinase gene in plasmid pENX606.
XX
KW Penicillinase; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT mat_peptide 2..13
FT /tag= a
FT /label= N-terminal of penicillinase
XX
PN EP151760-A.
XX
PD 21-AUG-1985.
XX
PF 15-DEC-1984; 84EP-00115551.
XX
PR 06-JAN-1984; 84JP-00001204.
PR 27-MAR-1984; 84JP-00060375.
PR 27-SEP-1984; 84JP-00203772.
XX
PA (TAKE ) TAKEDA CHEM IND LTD.
XX
PI Kikuchi M, Nakahama K, Yoshimura K;
XX
WPI; 1985-204480/34.
XX
P-PSDB; AAP50110.
XX
New DNA comprising promoter and neutral protease gene - useful for
PT transformation of Bacillus strain for extracellular protein prodn.
XX
PS Disclosure; Fig 13; 65pp; English.
XX
CC The sequence represents the 5' end of DNA encoding the human
CC penicillinase gene located downstream from a neutral protease promoter
CC and neutral protease gene in plasmid pENX606. The penicillinase protein
CC is expressed in transformed Bacillus subtilis. (Updated on 25-MAR-2003 to
CC correct PA field.)
XX
SQ Sequence 13 BP; 5 A; 1 C; 5 G; 2 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 926 TTTATCCCTC 936
DB 13 TTTATCCCTC 3
RESULT 1695
```

AAV03420  
 ID AAV03420 standard; DNA; 13 BP.  
 AC AAV03420;  
 XX  
 DT 17-APR-1998 (first entry)  
 DE Enhanced specificity anchor primer 47.  
 KW Enhanced specificity anchor primer; polyA tail;  
 KW gene expression difference; cell type; ss.  
 XX  
 OS Synthetic.  
 XX  
 PN WO9737045-A1.  
 PD 09-OCT-1997.  
 XX  
 PF 02-APR-1997; 97WO-US005814.  
 XX  
 PR 03-APR-1996; 96US-0014666P.  
 XX  
 PA (JOHU ) JOHNSON & JOHNSON CONSUMER PROD.  
 XX  
 PI Combates N, Pardinias JR, Parimoo S, Prouty SM, Stenn KS;  
 XX  
 DR WPI; 1997-503123/46.  
 XX  
 PT Method for comparing mRNA from different nucleic acid samples - by  
 PT reverse transcription and amplification using oligo-T primers.  
 XX  
 PS Disclosure; Fig 4B; 44pp; English.  
 XX  
 CC Primers AAV03374-421 are enhanced specificity anchor primers that bind to  
 CC the polyA tail of mRNA and cDNA. The primers are of the general formula:  
 CC T12NN, where M is A, G or C and N is A, G, C or T. The primers are used  
 CC in the method of the invention. This method compares the presence or  
 CC level of individual mRNA molecules in at least 2 nucleic acid samples.  
 CC The method comprises contacting each of the nucleic acid samples with a  
 CC oligodeoxynucleotide primer that hybridises to a first site in mRNAs in  
 CC the nucleic acid samples, reverse transcribing the mRNAs to which the  
 CC primer hybridises to produce a population of DNA strands that are  
 CC complementary to the mRNAs in the 2 samples. The amount of cDNA produced  
 CC is quantified. The populations of cDNA are contacted with a second  
 CC oligodeoxynucleotide primer (e.g. present primer) that hybridises to a  
 CC second site in the cDNA populations, the contact being performed under  
 CC conditions in which the second primer hybridises with at least some of  
 CC the DNA strands in the 2 populations. Portions of the DNA strands are  
 CC amplified to produce a second population of amplification products. The  
 CC presence or level of individual amplification products in the first and  
 CC second populations of amplification products are compared and  
 CC contaminating cDNAs are subtracted from the re-amplified product. The  
 CC method can be used for screening differences in gene expression between  
 CC various cell types or between cells in different stages of development or  
 CC cells under different pharmacological conditions  
 XX  
 SQ Sequence 13 BP; 0 A; 0 C; 2 G; 11 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTCTTTGCTGT 918  
 |||||  
 Db 3 TTTTCTTTGCTGT 13  
 RESULT 1696  
 AAV40929  
 ID AAV40929 standard; DNA; 13 BP.  
 XX  
 AC AAV40929;  
 XX  
 DT 29-JUN-2000 (first entry)  
 XX

25-SEP-1998 (first entry)  
 Primer ALL1:417L13 for abnormality detection.  
 PCR primer: chromosomal abnormality; abnormality detection; leukaemia;  
 lymphoma; carcinoma; adenocarcinoma; sarcoma; glioma; neuroblastoma;  
 medullablastoma; malignant melanoma; malignant neoplastic condition; ss.  
 XX  
 OS Synthetic.  
 OS Homo sapiens.  
 XX  
 PN WO9824928-A2.  
 XX  
 PD 11-JUN-1998.  
 XX  
 PF 08-DEC-1997; 97WO-DK000556.  
 XX  
 PR 06-DEC-1996; 96DK-00001401.  
 XX  
 PA (PALL/) PALLISGAARD N.  
 XX  
 PI Pallisgaard N, Hokland P;  
 XX  
 DR WPI; 1998-333344/29.  
 XX  
 XX Detection of chromosomal abnormalities - by subjecting patient sample  
 PT nucleic acids to a multiplex molecular amplification procedure using  
 PT primers specific for characteristic nucleic acid sequence.  
 XX  
 PS Claim 73; Page 67; 126pp; English.  
 XX  
 CC This sequence represents a primer used in the method of the invention for  
 CC the detection of the presence or absence of chromosomal abnormalities,  
 CC each abnormality being associated with a condition in a subject and each  
 CC being defined by at least one characteristic nucleic acid sequence. The  
 CC method comprises: (a) obtaining a sample of nucleic acids derived from a  
 CC subject which may harbour one of the chromosomal abnormalities; (b)  
 CC subjecting the sample to a multiplex molecular amplification (MMA)  
 CC procedure, where a number of the characteristic sequences, if present in  
 CC a sufficient amount, will be amplified; (c) retrieving the product(s)  
 CC from step (b), and detecting the presence and/or absence of an amplicon  
 CC characteristic of the abnormal sequences to detect the presence or  
 CC absence of corresponding chromosomal abnormalities; where the MMA  
 CC procedure comprises the use of at least 7 mutually distinct primers (MDP)  
 CC in one single reaction mixture, each of the primers defining an end of at  
 CC least one characteristic nucleic acid sequence, and where at least one of  
 CC the primers defines the first end of at least two characteristic nucleic  
 CC acid sequences, the characteristic nucleic acid sequences each being  
 CC determined in their opposite ends by MDP selected from the remainder of  
 CC the MDP. The methods can be used for detecting chromosomal abnormalities  
 CC associated with diseases including numerous leukaemia's, lymphoma's,  
 CC carcinoma's, adenocarcinoma's, sarcoma's, glioma's, neuroblastoma's,  
 CC medullablastoma, malignant melanoma, and malignant neoplastic conditions  
 XX  
 SQ Sequence 13 BP; 1 A; 2 C; 3 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 913 TTTGGTCTTGT 923  
 |||||  
 Db 1 TTTGGTCTTGT 11  
 RESULT 1697  
 AAA26795  
 ID AAA26795 standard; DNA; 13 BP.  
 XX  
 AC AAA26795;  
 XX  
 DT 29-JUN-2000 (first entry)  
 XX

DE Trichosporon aquatile polynucleotide sequence SEQ ID NO:62.  
KW Trichosporon genus microbe; detection; species-specific; diagnosis;  
KW trichosporosis; ds.  
XX  
OS Trichosporon aquatile.  
XX  
PN JP2000060564-A.  
XX  
PD 29-FEB-2000.  
XX  
XX 24-AUG-1998; 98JP-00237060.  
XX  
PR 24-AUG-1998; 98JP-00237060.  
XX  
PA (IATR ) IATRON LAB INC.  
XX  
XX WPI; 2000-249679/22.  
DR  
XX Species-specific detection of a Trichosporon genus microbe species and a  
PT new polynucleotide - used for the diagnosis and the treatment of  
PT Trichosporosis.  
XX  
PS Claim 2; Page 40; 47pp; Japanese.  
XX  
XX The present invention describes a method for the species-specific  
CC detection of a Trichosporon genus microbe which includes detecting a  
CC polynucleotide specific to the species of a Trichosporon genus microbe.  
CC Trichosporon polynucleotides can be used for the diagnosis and treatment  
CC of Trichosporosis. The method can distinguish Trichosporosis species to  
CC species level rapidly in high precision. AAA26734 to AAA26849 represent  
CC polynucleotide sequences from various Trichosporon species, which are  
CC used in the exemplification of the present invention  
XX  
SQ Sequence 13 BP; 5 A; 2 C; 2 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 942 CATTGGCTTAA 952  
Db 1 CATTGGCTTAA 11  
|||||  
|||||  
  
RESULT 1698  
AAAF70056  
ID AAF70056 standard; DNA; 13 BP.  
AC AAF70056;  
XX  
DT 18-APR-2001 (first entry)  
DE Human TNFRSF11B gene ASO probe, SEQ ID NO: 112.  
XX  
XX Human; TNFRSF11B; osteoclastogenesis inhibitory factor;  
KW single nucleotide polymorphism; SNP; osteoclast recruitment;  
KW osteoclast function; osteoporosis; metastatic bone disease;  
KW Paget's disease; rheumatoid arthritis; periodontal bone disease; ASO;  
KW allele-specific oligonucleotide; probe; ss.  
XX  
OS Homo sapiens.  
XX  
XX WO200104137-A1.  
PN  
XX  
PD 18-JAN-2001.  
XX  
XX 10-JUL-2000; 2000WO-US018803.  
PF  
XX  
PR 09-JUL-1999; 99US-0143020P.  
XX  
PA (GENA-) GENAISSANCE PHARM INC.  
XX

PI Chew A, Denton RR, Duda A, Nandabalan K, Stephens JC;  
XX WPI; 2001-147175/15.  
DR  
XX Human Osteoclastogenesis Inhibitory Factor nucleotides, comprising single  
PT nucleotide polymorphisms, useful for studying e.g. osteoporosis, Paget's  
PT disease and rheumatoid arthritis.  
XX  
XX Claim 15; Page 23; 114pp; English.  
PS  
XX The present sequence is a probe used to detect polymorphisms in the human  
CC osteoclastogenesis inhibitory factor (TNFRSF11B). Polynucleotides  
CC comprising one or more of twenty four novel single nucleotide  
CC polymorphisms in the TNFRSF11B gene have been identified. TNFRSF11B  
CC regulate osteoclast recruitment and function. An understanding of  
CC variations in the gene should thus be useful in developing new therapies  
CC for metabolic disorders caused by abnormal osteoclast recruitment and  
CC function such as osteoporosis, metastatic bone disease, Paget's disease,  
CC rheumatoid arthritis and periodontal bone disease  
XX  
SQ Sequence 13 BP; 1 A; 4 C; 2 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 923 GCCTTTTATCC 933  
Db 2 GCCTTTTATCC 12  
|||||  
|||||  
  
RESULT 1699  
ABC46269  
ID ABC46269 standard; DNA; 13 BP.  
XX  
AC ABC46269;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 46286 for detecting SNP TSC0013393.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 46286; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 3 C; 1 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965  
 DB 3 TATCGCTATCA 13  
 |||||

RESULT 1700  
 ABC21592/c  
 ID ABC21592 standard; DNA; 13 BP.  
 XX  
 AC ABC21592;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 21609 for detecting SNP TSC0004336.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 21609; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCITTT 915  
 DB 13 TCATTTCITTT 3  
 |||||  
 RESULT 1701  
 ABC23945/c  
 ID ABC23945 standard; DNA; 13 BP.  
 XX  
 AC ABC23945;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 23962 for detecting SNP TSC0005553.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 23962; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTGTC 919  
 DB 13 ATTTCCTTGTC 1  
 |||||

RESULT 1702  
 ABC49345/c  
 ID ABC49345 standard; DNA; 13 BP.  
 XX  
 AC ABC49345;

XX  
 DT 21-FEB-2002 (first entry)  
 XX



DE	Oligonucleotide SEQ ID NO 49362 for detecting SNP TSC0013972.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.
OS	WO200177384-A2.
PN	18-OCT-2001.
PD	06-APR-2001; 2001WO-IB000713.
PF	07-APR-2000; 2000DE-01019173.
PP	(EPIG-) EPIGENOMICS AG.
PR	Olek A, Piepenbrock C, Berlin K;
PA	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
XX	designed to detect single-nucleotide polymorphisms and cytosine
PPT	methylation status.
PT	Claim 1; SEQ ID NO 49362; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC000010-
CC	ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
SQ	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	913 TTGTGGTCCTTG 923
DB	13 TTGTGGTTTGTG 3
RESULT 1703	
ID	ABC51037/C
ID	ABC51037 standard; DNA; 13 BP.
XX	ABC51037;
AC	21-FEB-2002 (first entry)
DT	
XX	Oligonucleotide SEQ ID NO 51054 for detecting SNP TSC0014278.
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW	Homo sapiens.
OS	WO200177384-A2.
PN	18-OCT-2001.
PD	06-APR-2001; 2001WO-IB000713.
PF	

PS Claim 1; SEQ ID NO 51424; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 13 BP; 6 A; 5 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953  
Db 11 ATTGGTTTAAAT 1  
|||||

RESULT 1705  
ABCC2846/C  
ID ABC02846 standard; DNA; 13 BP.  
XX AC ABC02846;  
XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 2837 for detecting SNP TSC0001102.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.  
PP 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
PI WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PS Claim 1; SEQ ID NO 2837; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 1 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 911 TCTTTCGTCTT 921  
Db 13 TCTTTCGTCTT 3  
|||||

RESULT 1706  
ABF03835/C  
ID ABF03835 standard; DNA; 13 BP.  
XX AC ABF03835;  
XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 103832 for detecting SNP TSC0025972.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.  
PP 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
PI WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PS Claim 1; SEQ ID NO 103832; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 909 TTTCTTTGGTC 919  
Db 13 TTTTTTGGTC 3  
|||||

```
RESULT 1707
ABC54442
ID ABC54442 standard; DNA; 13 BP.
XX AC ABC54442;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54459 for detecting SNP TSC0014930.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 54459; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 1 GTTTAATGAT 11
XX RESULT 1708
ABC54910
ID ABC54910 standard; DNA; 13 BP.
XX AC ABC54910;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54927 for detecting SNP TSC0015043.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 54459; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGAT 957
DB 1 GTTTAATGAT 11
XX RESULT 1709
ABC05708
ID ABC05708 standard; DNA; 13 BP.
XX AC ABC05708;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 5699 for detecting SNP TSC0001864.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 54927; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 907 ATTTCTTTTCGTC 919
DB 1 ATTTCTTTTCGTC 13
XX RESULT 1709
ABC05708
ID ABC05708 standard; DNA; 13 BP.
XX AC ABC05708;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 5699 for detecting SNP TSC0001864.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 54927; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 907 ATTTCTTTTCGTC 919
DB 1 ATTTCTTTTCGTC 13
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PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 5699; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 OY 909 TTTCTTTGCTCT 921  
 DB 1 TTTTTCGTATY 13  
 RESULT 1710  
 ABC34459  
 ID ABC34459 standard; DNA; 13 BP.  
 AC ABC34459;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 34476 for detecting SNP TSC0010991.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 34476; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 2 C; 0 G; 11 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 OY 905 TCATTTTCTTT 915  
 DB 2 TCTTTTCTTT 12  
 RESULT 1711  
 ABF09662/C  
 ID ABF09662 standard; DNA; 13 BP.  
 AC ABF09662;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 109659 for detecting SNP TSC0027429.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 109659; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;

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Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCCTCTTCA 943
Db 11 CCTCCTCTTAA 1

RESULT 1712
ABC64622
ID ABC64622 standard; DNA; 13 BP.
XX AC ABC64622;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 64639 for detecting SNP TSC0017049.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 64639; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 0 A; 0 C; 2 G; 11 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 2 TTTTCTTTGGT 12

RESULT 1713
ABC16200
ID ABC16200 standard; DNA; 13 BP.
XX AC ABC16200;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCCTCTTCA 943
Db 11 CCTCCTCTTAA 1

RESULT 1712
ABC64622
ID ABC64622 standard; DNA; 13 BP.
XX AC ABC64622;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 64639 for detecting SNP TSC0017049.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 64639; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 0 A; 0 C; 2 G; 11 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTTGG 917
Db 2 ATTTTCTTTGG 12

RESULT 1714
ABC41057/C
ID ABC41057 standard; DNA; 13 BP.
XX AC ABC41057;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 41074 for detecting SNP TSC0012383.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 16207; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTTGG 917
Db 2 ATTTTCTTTGG 12

RESULT 1714
ABC41057/C
ID ABC41057 standard; DNA; 13 BP.
XX AC ABC41057;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 41074 for detecting SNP TSC0012383.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB0000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 16207; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
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CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957  
Db 12 GTTAAATGTT 2  
|||||

RESULT 1717  
ABF28734  
ID ABF28734 standard; DNA; 13 BP.  
XX AC ABF28734;  
XX AC ABF28734;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 128731 for detecting SNP TSC0032227.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX FN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 128731; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTTCCTTTATC 932  
|||||

Db 1 TTTCGTTTATY 13  
RESULT 1718  
ABF32543  
ID ABF32543 standard; DNA; 13 BP.  
XX AC ABF32543;  
XX AC ABF32543;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 132540 for detecting SNP TSC0033059.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX FN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 132540; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 0 A; 8 C; 1 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCCTCTTC 942  
|||||  
Db 1 CCTCCTCTGC 11  
|||||

RESULT 1719  
ABF42384/C  
ID ABF42384 standard; DNA; 13 BP.  
XX AC ABF42384;  
XX AC ABF42384;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 142381 for detecting SNP TSC0035690.  
XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 142381; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 DB 13 TCATTTCTTT 3  
 RESULT 1720  
 ABF73552/C  
 ID ABF73552 standard; DNA; 13 BP.  
 AC ABF73552;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 173549 for detecting SNP TSC0006326.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 173549; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX range of diseases including immune system, gastrointestinal, respiratory,  
 XX central nervous system, cardiovascular and metabolic disorders. The  
 XX oligomers are also used for detecting cell type differentiation. ABC00010  
 XX -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX represent the oligomers described in the invention. NOTE: The sequence  
 XX data for this patent did not form part of the printed specification, but  
 XX was obtained in electronic format from WIPO at  
 XX ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 934 CTCCTCTTCAT 944  
 DB 12 CTCCTCTTCAT 2  
 RESULT 1721  
 ABF49162  
 ID ABF49162 standard; DNA; 13 BP.  
 AC ABF49162;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 149159 for detecting SNP TSC0037626.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 XX methylation status.  
 XX Claim 1; SEQ ID NO 149159; 29pp + Sequence Listing; German.







DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 203091; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 920 TTTGCTTTTATC 932  
DB 1 TTTGAGTTTATY 13  
RESULT 1727  
ID ABF53196/c  
XX ABF53196 standard; DNA; 13 BP.  
XX  
XX ABF53196;  
AC  
XX  
XX 21-FEB-2002 (first entry)  
DT  
XX  
XX Oligonucleotide SEQ ID NO 153193 for detecting SNP TSC0038712.  
DE  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX  
XX 06-APR-2001; 2001WO-IB0000713.  
PF  
XX  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX  
XX WPI; 2001-657177/75.  
DR  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PT  
XX  
XX Claim 1; SEQ ID NO 153193; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 920 TTTGCTTTTATC 932  
DB 1 TTTGAGTTTATY 13  
RESULT 1727  
ID ABF53196/c  
XX ABF53196 standard; DNA; 13 BP.  
XX  
XX ABF53196;  
AC  
XX  
XX 21-FEB-2002 (first entry)  
DT  
XX  
XX Oligonucleotide SEQ ID NO 153193 for detecting SNP TSC0038712.  
DE  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX  
XX 06-APR-2001; 2001WO-IB0000713.  
PF  
XX  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX  
XX WPI; 2001-657177/75.  
DR  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PT  
XX  
XX Claim 1; SEQ ID NO 153193; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 918 TCCTTGCCCTTT 928  
DB 12 TCCTTGCCCTTT 2  
RESULT 1728  
ID ABH03395/c  
XX ABH03395 standard; DNA; 13 BP.  
XX  
XX ABH03395;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
DT  
XX  
XX Oligonucleotide SEQ ID NO 203372 for detecting SNP TSC0049945.  
DE  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX  
XX 06-APR-2001; 2001WO-IB0000713.  
PF  
XX  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX  
XX WPI; 2001-657177/75.  
DR  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PT  
XX  
XX Claim 1; SEQ ID NO 203372; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAT 953  
 Db 13 ATTGGTTTAT 3  
 RESULT 1729  
 ABH29651/c  
 ID ABH29651 standard; DNA; 13 BP.  
 XX  
 AC ABH29651;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 229628 for detecting SNP TSC0056011.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 229628; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 946 GGTTTAATGTA 956  
 Db 11 GGTTTAATGTA 1  
 RESULT 1730  
 ABH06002  
 ID ABH06002 standard; DNA; 13 BP.  
 XX  
 AC ABH06002;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 182586 for detecting SNP TSC0045131.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 229628; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

XX Oligonucleotide SEQ ID NO 205979 for detecting SNP TSC0050473.  
 DE  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 205979; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 CC Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 949 TTAATGTATCG 959  
 Db 2 TTAATGTATCG 12  
 RESULT 1731  
 ABF82589/c  
 ID ABF82589 standard; DNA; 13 BP.  
 XX  
 AC ABF82589;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 182586 for detecting SNP TSC0045131.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

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PF 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 182586; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 907 ATTTCCTTGG 917
DB 13 ATTTCCTTGG 3
|||||
RESULT 1732
ABH32905
ID ABH32905 standard; DNA; 13 BP.
XX
XX ABH32905;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 232882 for detecting SNP TSC0056816.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 182586; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 907 ATTTCCTTGG 917
DB 13 ATTTCCTTGG 3
|||||
RESULT 1733
ABH08559/C
ID ABH08559 standard; DNA; 13 BP.
XX
XX ABH08559;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 208536 for detecting SNP TSC0050953.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 208536; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTCTTTT 915
DB 2 TCATTTCTTTT 12
|||||

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGCTCTTG 923
DB 12 TTGGCTCTTG 2

RESULT 1734
ABF84804
ID ABF84804 standard; DNA; 13 BP.
XX
AC ABF84804;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184801 for detecting SNP TSC0045589.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 184801; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 1 Other;

This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
DB 1 GTTAAAGTAT 11

RESULT 1735
ABF84805/c
ID ABF84805 standard; DNA; 13 BP.
XX
AC ABF84805;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184802 for detecting SNP TSC0045589.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 184802; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 1 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957
DB 13 GTTAAAGTAT 3

RESULT 1736
ABH13466
ID ABH13466 standard; DNA; 13 BP.
XX
AC ABH13466;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213443 for detecting SNP TSC0008090.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 213443; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 949 TTAATGTATCG 959  
DB 2 TTAATGTATAG 12  
RESULT 1737  
ABF63725/c  
ID ABF63725 standard; DNA; 13 BP.  
XX  
XX ABF63725;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 163722 for detecting SNP TSC0041134.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 163722; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTTCTTTTGGT 918  
DB 12 TTTTCTTTTGGT 2  
RESULT 1738  
ABH14806  
ID ABH14806 standard; DNA; 13 BP.  
XX  
XX ABH14806;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 214783 for detecting SNP TSC0052268.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 214783; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 5 A; 1 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 951 AATGATCGCTAC 963  
 Db 1 AATTATCGATAY 13

RESULT 1739  
 ABH41252  
 ID ABH41252 standard; DNA; 13 BP.

XX ABH41252;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 241229 for detecting SNP TSC0058839.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 241229; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958  
 Db 1 GGTTTAATTTTY 13

RESULT 1740  
 ABH53760  
 ID ABH53760 standard; DNA; 13 BP.

XX ABH53760;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 253737 for detecting SNP TSC0061857.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 253737; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956  
 Db 2 GGTTTAATATA 12

RESULT 1741  
 ABH58823/C  
 ID ABH58823 standard; DNA; 13 BP.

XX



AC ABH58823;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 258800 for detecting SNP TSC0062902.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 258800; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTGGCTCTTG 923  
DB 12 TTGGCTCTTG 2  
RESULT 1742  
ABH59590  
ID ABH59590 standard; DNA; 13 BP.  
AC ABH59590;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 259567 for detecting SNP TSC0063038.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX

XX 18-OCT-2001.  
XX  
PD 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 259567; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 940 TTCATTCGTTT 950  
DB 1 TTATTCGTTT 11  
RESULT 1743  
ABH59591/C  
ID ABH59591 standard; DNA; 13 BP.  
AC ABH59591;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 259568 for detecting SNP TSC0063038.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PR 06-APR-2001; 2001WO-IB000713.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 259568; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950

Db 13 TTATTGGTTT 3

RESULT 1744

ABH62571/c

ID ABH62571 standard; DNA; 13 BP.

XX ABH62571;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 262548 for detecting SNP TSC0063689.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 262548; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958

Db 13 GGTTTAATGATY 1

RESULT 1745

ABC68001/c

ID ABC68001 standard; DNA; 13 BP.

XX ABC68001;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 68018 for detecting SNP TSC0017754.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 68018; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958

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Db      13 GGTGAATTATY 1
|||||
RESULT 1746
ABC93472
ID ABC93472 standard; DNA; 13 BP.
XX AC ABC93472;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 93489 for detecting SNP TSC0023360.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 93489 for detecting SNP TSC0023360.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 93489; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX 946 GGTGAATTATGC 958
|||||
Db      1 GGTGAATTATGC 13
|||||
RESULT 1747
ABC94697/c
ID ABC94697 standard; DNA; 13 BP.
XX AC ABC94697;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 94714 for detecting SNP TSC0023602.
XX

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XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 94714; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 946 GGTGAATTATGC 956
|||||
Db      12 GGTGAATTATGC 2
|||||
RESULT 1748
ABC71595/c
ID ABC71595 standard; DNA; 13 BP.
XX AC ABC71595;
XX
XX 21-FEB-2002 (first entry)
DT
DE
DE Oligonucleotide SEQ ID NO 71612 for detecting SNP TSC0018532.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX

```

PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 71612; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 OY 941 TCATTGGTTTAAT 953  
 DB 13 TTATTGGTTAAAY 1  
 RESULT 1749  
 ABC21785/c  
 ID ABC21785 standard; DNA; 13 BP.  
 XX ABC21785;  
 AC ABC21785;  
 XX 20-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 21802 for detecting SNP TSC0004359.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 21802; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.3%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 OY 946 GGTTTAATGTA 956  
 DB 12 GGTTTAATGTA 2  
 RESULT 1750  
 ABC98917/c  
 ID ABC98917 standard; DNA; 13 BP.  
 XX ABC98917;  
 AC ABC98917;  
 XX 21-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 98934 for detecting SNP TSC0024573.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 98934; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX	ABC50399/c	
XX	ID ABC50399 standard; DNA; 13 BP.	
XX	AC ABC50399;	
XX	21-FEB-2002 (first entry)	
XX	Oligonucleotide SEQ ID NO 50416 for detecting SNP TSC0014174.	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX	Homo sapiens.	
XX	WO200177384-A2.	
XX	18-OCT-2001.	
XX	06-APR-2001; 2001WO-1B000713.	
XX	07-APR-2000; 2000DE-01019173.	
XX	(BPIG-) EPIGENOMICS AG.	
XX	Olek A, Piepenbrock C, Berlin K;	
XX	WPI; 2001-657177/75.	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is	
XX	designed to detect single-nucleotide polymorphisms and cytosine	
XX	methylation status.	
XX	Claim 1; SEQ ID NO 50416; 23pp + Sequence Listing; German.	
XX	This invention describes novel oligonucleotide primers or peptide nucleic	
XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
XX	and cytosine methylation status in chemically pretreated genomic DNA. The	
XX	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
XX	range of diseases including immune system, gastrointestinal, respiratory,	
XX	central nervous system, cardiovascular and metabolic disorders. The	
XX	oligonucleotides are also used for detecting cell type differentiation. ABC000010	
XX	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
XX	represent the oligomers described in the invention. NOTE: The sequence	
XX	data for this patent did not form part of the printed specification, but	
XX	was obtained in electronic format from WIPO at	
XX	ftp.wipo.int/pub/published_pct_sequences	
XX	Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;	
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;	
XX	Best Local Similarity 90.9%; Pred. No. 1.3e+03;	
XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
QY	908 TTTTCTTTGGT 918	
DB	11 TTTTCTTTGGT 1	
XX	RESULT 1753	
XX	ABC28260	
XX	ID ABC28260 standard; DNA; 13 BP.	
XX	AC ABC28260;	
XX	20-FEB-2002 (first entry)	
XX	Oligonucleotide SEQ ID NO 28277 for detecting SNP TSC0008027.	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	

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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 28277; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATGTTT 950
DB 3 TTATTGTTT 13
RESULT 1754
ABC28610
ID ABC28610 standard; DNA; 13 BP.
XX
AC ABC28610;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 28627 for detecting SNP TSC0008250.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 28277; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATGTTT 950
DB 3 TTATTGTTT 13
RESULT 1754
ABC28610
ID ABC28610 standard; DNA; 13 BP.
XX
AC ABC28610;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 28627 for detecting SNP TSC0009724.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 31444; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 1 G; 7 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 941 TCATTCGTTTAAAT 953
DB 1 TTATTCGTTTAAAY 13
RESULT 1755
ABC31427/C
ID ABC31427 standard; DNA; 13 BP.
XX
AC ABC31427;
XX
XX 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 31444 for detecting SNP TSC0009724.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 31444; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 1 C; 1 G; 7 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 941 TCATTCGTTTAAAT 953
DB 1 TTATTCGTTTAAAY 13

```

CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTGGT 918

Db 12 TTTTCTTGGT 2

RESULT 1756

ABC81439

ID ABC81439 standard; DNA; 13 BP.

XX ABC81439;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 81456 for detecting SNP TSC0020625.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

PS Claim 1; SEQ ID NO 81456; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 935 TCCTCTTCATT 945

Db 1 TCACATTCATT 11

RESULT 1757

ABC09266/C

ID ABC09266 standard; DNA; 13 BP.

XX ABC09266;

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 9257 for detecting SNP TSC0002455.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

PS Claim 1; SEQ ID NO 9257; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 0 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 927 TTTATCCCTCC 937

Db 13 TTTCTCCCTCC 3

RESULT 1758

ABF09126

ID ABF09126 standard; DNA; 13 BP.

XX ABF09126;

```

DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 109123 for detecting SNP TSC0027313.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 109123; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Claim 1; SEQ ID NO 109123; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGCTTTAAT 953
Db 1 ATAGGTTTAAAT 11
RESULT 1759
ABF09663
ID ABF09663 standard; DNA; 13 BP.
AC ABF09663;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 109660 for detecting SNP TSC0027429.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 109660; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGCTTTAAT 953
Db 1 ATAGGTTTAAAT 11
RESULT 1759
ABF09663
ID ABF09663 standard; DNA; 13 BP.
AC ABF09663;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 61983 for detecting SNP TSC0016471.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 109660; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 933 CCTCCTCTTCA 943
Db 3 CCTCCTCTTCA 13
RESULT 1760
ABC61966/c
ID ABC61966 standard; DNA; 13 BP.
XX ABC61966;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 61983 for detecting SNP TSC0016471.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```



PT methylation status.  
XX Claim 1; SEQ ID NO 61983; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 929 TATCCCTCCTC 939  
Db 11 TATCCCTCATC 1  
  
RESULT 1761  
ABF12306  
ID ABF12306 standard; DNA; 13 BP.  
XX  
XX ABF12306;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 112303 for detecting SNP TSC028066.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 112303; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 946 GGTTAATGATC 958  
Db 1 GTTATAATGATY 13  
  
RESULT 1762  
ABC39011/c  
ID ABC39011 standard; DNA; 13 BP.  
XX  
XX ABC39011;  
XX  
XX 20-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 39028 for detecting SNP TSC0011997.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 39028; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 907 ATTTTCCTTGG 917  
Db 12 ATTTTCCTTGG 2

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RESULT 1763
ABC3900/c
ID ABC3900 standard; DNA; 13 BP.
XX
XX
AC ABC3900;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39917 for detecting SNP TSC0012171.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
XX Claim 1; SEQ ID NO 39917; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 930 ATCCCTCCTCT 940
DB 11 ATCCGTCCTCT 1
XX
RESULT 1764
ABC65327/c
ID ABC65327 standard; DNA; 13 BP.
XX
XX
AC ABC65327;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 65344 for detecting SNP TSC0017207.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
XX Claim 1; SEQ ID NO 65344; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGGTTTA 951
DB 13 TTATTGGTTTA 3
XX
RESULT 1765
ABC41694
ID ABC41694 standard; DNA; 13 BP.
XX
XX
AC ABC41694;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41711 for detecting SNP TSC0012510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX

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PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 41711; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 908 TTTTCTTTGGT 918
DB 1 TTTTGTTTGGT 11
XX
RESULT 1766
ABF22105
ID ABF22105 standard; DNA; 13 BP.
XX
AC ABF22105;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 122102 for detecting SNP TSC030522.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 122102; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 1 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 957 TCGCTACCAAC 967
DB 3 TCGATACCAAC 13
XX
RESULT 1767
ABF25460
ID ABF25460 standard; DNA; 13 BP.
XX
XX AC ABF25460;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 125457 for detecting SNP TSC0031370.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPiG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 125457; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
```

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XX ABF37359;
XX AC
XX XX
XX 21-FEB-2002 (first entry)
XX DT
XX XX
XX DE Oligonucleotide SEQ ID NO 137356 for detecting SNP TSC0034314.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX WO200177384-A2.
XX FN
XX XX
XX PD 18-OCT-2001.
XX PF
XX XX
XX 06-APR-2001; 2001WO-IB000713.
XX XX
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX XX (EPIG-) EPIGENOMICS AG.
XX FA
XX KW Olek A, Piepenbrock C, Berlin K;
XX XX
XX WPI; 2001-657177/75.
XX DR
XX XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 137356; 29pp + Sequence Listing; German.
XX XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db ||||| |||||
12 TTTTCGTTGGT 2

RESULT 1770
ABF67682/c
ID ABF67682 standard; DNA; 13 BP.
XX
XX ABF67682;
XX AC
XX XX
XX 22-FEB-2002 (first entry)
XX DT
XX XX
XX DE Oligonucleotide SEQ ID NO 167679 for detecting SNP TSC0041967.
XX XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX XX
XX

```

XX	WO200177384-A2.	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	XX	Claim 1; SEQ ID NO 219390; 29pp + Sequence Listing; German.	XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	XX	Sequence 13 BP; 5 A; 2 C; 1 G; 4 T; 0 U; 1 Other;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	QY	948 TTTAATGTCATCGC 960	DB	13 TTTAACGTATAGY 1	RESULT 1772	ABH21913	ID	ABH21913 standard; DNA; 13 BP.	XX	AC	ABH21913;	XX	22-FEB-2002 (first entry)	DE	Oligonucleotide SEQ ID NO 221890 for detecting SNP TSC0053997.	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	OS	Homo sapiens.	XX	WO200177384-A2.	XX	18-OCT-2001.	XX	06-APR-2001; 2001WO-IB000713.	XX	07-APR-2000; 2000DE-01019173.	XX	(EPIG-) EPIGENOMICS AG.	PI	Olek A, Piepenbrock C, Berlin K;	XX	WPI; 2001-657177/75.	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	XX	Claim 1; SEQ ID NO 221890; 29pp + Sequence Listing; German.	XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	XX	Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	QY	957 TCGCTACCAAC 967	DB	11 TCATACCAAC 1	RESULT 1771	ABH19413/c	ID	ABH19413 standard; DNA; 13 BP.	XX	AC	ABH19413;	XX	22-FEB-2002 (first entry)	DE	Oligonucleotide SEQ ID NO 219390 for detecting SNP TSC0053346.	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	OS	Homo sapiens.	XX	WO200177384-A2.	XX	18-OCT-2001.	XX	06-APR-2001; 2001WO-IB000713.	XX	07-APR-2000; 2000DE-01019173.	XX	(EPIG-) EPIGENOMICS AG.	PI	Olek A, Piepenbrock C, Berlin K;	XX	WPI; 2001-657177/75.	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	XX	Claim 1; SEQ ID NO 167679; 29pp + Sequence Listing; German.	XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	XX	Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	QY	957 TCGCTACCAAC 967	DB	11 TCATACCAAC 1	RESULT 1771	ABH19413/c	ID	ABH19413 standard; DNA; 13 BP.	XX	AC	ABH19413;	XX	22-FEB-2002 (first entry)	DE	Oligonucleotide SEQ ID NO 219390 for detecting SNP TSC0053346.	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	OS	Homo sapiens.	XX	WO200177384-A2.	XX	18-OCT-2001.	XX	06-APR-2001; 2001WO-IB000713.	XX	07-APR-2000; 2000DE-01019173.	XX	(EPIG-) EPIGENOMICS AG.	PI	Olek A, Piepenbrock C, Berlin K;	XX	WPI; 2001-657177/75.	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	XX	Claim 1; SEQ ID NO 167679; 29pp + Sequence Listing; German.	XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	XX	Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	QY	957 TCGCTACCAAC 967	DB	11 TCATACCAAC 1	RESULT 1771	ABH19413/c	ID	ABH19413 standard; DNA; 13 BP.	XX	AC	ABH19413;	XX	22-FEB-2002 (first entry)	DE	Oligonucleotide SEQ ID NO 219390 for detecting SNP TSC0053346.	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	OS	Homo sapiens.	XX	WO200177384-A2.	XX	18-OCT-2001.	XX	06-APR-2001; 2001WO-IB000713.	XX	07-APR-2000; 2000DE-01019173.	XX	(EPIG-) EPIGENOMICS AG.	PI	Olek A, Piepenbrock C, Berlin K;	XX	WPI; 2001-657177/75.	XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.	XX	Claim 1; SEQ ID NO 167679; 29pp + Sequence Listing; German.	XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	XX	Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	QY	957 TCGCTACCAAC 967	DB	11 TCATACCAAC 1	RESULT 1771	ABH19413/c	ID	ABH19413 standard; DNA; 13 BP.	XX	AC	ABH19413;	XX	22-FEB-2002 (first entry)	DE	Oligonucleotide SEQ ID NO 219390 for detecting SNP TSC0053346.	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.	OS	Homo sapiens.	XX	WO200177384-A2.</
----	-----------------	----	---	----	---	----	---	----	---	----	--	----	------------------------	----	--------------------	-------------	----------	----	--------------------------------	----	----	-----------	----	---------------------------	----	--	----	--	----	---------------	----	-----------------	----	--------------	----	-------------------------------	----	-------------------------------	----	-------------------------	----	----------------------------------	----	----------------------	----	---	----	---	----	---	----	---	----	--	----	---------------------	----	-----------------	-------------	------------	----	--------------------------------	----	----	-----------	----	---------------------------	----	--	----	--	----	---------------	----	-----------------	----	--------------	----	-------------------------------	----	-------------------------------	----	-------------------------	----	----------------------------------	----	----------------------	----	---	----	---	----	---	----	---	----	--	----	---------------------	----	-----------------	-------------	------------	----	--------------------------------	----	----	-----------	----	---------------------------	----	--	----	--	----	---------------	----	-----------------	----	--------------	----	-------------------------------	----	-------------------------------	----	-------------------------	----	----------------------------------	----	----------------------	----	---	----	---	----	---	----	---	----	--	----	---------------------	----	-----------------	-------------	------------	----	--------------------------------	----	----	-----------	----	---------------------------	----	--	----	--	----	---------------	----	-----------------	----	--------------	----	-------------------------------	----	-------------------------------	----	-------------------------	----	----------------------------------	----	----------------------	----	---	----	---	----	---	----	---	----	--	----	---------------------	----	-----------------	-------------	------------	----	--------------------------------	----	----	-----------	----	---------------------------	----	--	----	--	----	---------------	----	-------------------

[illegible]

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 3 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965  
 DB 1 TATCGCTATCA 11  
 |||||

RESULT 1773  
 ABF47485  
 ID ABF47485 standard; DNA; 13 BP.  
 AC ABF47485;  
 XX  
 XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 147482 for detecting SNP TSC0037259.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 FN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 147482; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Claim 1; SEQ ID NO 147482; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 5 A; 4 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966  
 DB 3 ATCTCTACCAA 13  
 |||||

RESULT 1774  
 ABH24254  
 ID ABH24254 standard; DNA; 13 BP.  
 XX  
 AC ABH24254;  
 XX  
 XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 224231 for detecting SNP TSC0054640.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 FN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 224231; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGT 918  
 DB 2 TTTTCTTGT 12  
 |||||

RESULT 1775  
 ABH26487/c  
 ID ABH26487 standard; DNA; 13 BP.  
 XX  
 AC ABH26487;  
 XX  
 XX 22-FEB-2002 (first entry)

XX

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DE Oligonucleotide SEQ ID NO 226464 for detecting SNP TSC0055199.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 226464; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 947 GTTTAATGTAT 957
DB 13 GTTTAATGTTT 3
|||||
RESULT 1776
ABH04046
ID ABH04046 standard; DNA; 13 BP.
XX
XX ABH04046;
AC
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 204023 for detecting SNP TSC0008066.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX

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XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 204023; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 913 TTTGGTCTTTG 923
DB 3 TTTGGTCTTTG 13
|||||
RESULT 1777
ABF54250
ID ABF54250 standard; DNA; 13 BP.
XX
XX ABF54250;
AC
XX
XX 21-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 154247 for detecting SNP TSC0038983.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

```

PS Claim 1; SEQ ID NO 154247; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

DB 2 ATTTTTTGG 12

RESULT 1778

ABH32809

ID ABH32809 standard; DNA; 13 BP.

XX AC ABH32809;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 232786 for detecting SNP TSC0056790.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIC-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 232786; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Mismatches 1; Mismatches 2; Indels 0; Gaps 0; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCTTTGGTC 919

DB 1 ATTTCTTTGTG 13

RESULT 1779

ABF58092

ID ABF58092 standard; DNA; 13 BP.

XX AC ABF58092;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 158089 for detecting SNP TSC0039821.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 158089; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Mismatches 1; Mismatches 2; Indels 0; Gaps 0; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCTTTGGTC 919

DB 1 ATTTCTTTGTG 13



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RESULT 1780
ABH08558
ID ABH08558 standard; DNA; 13 BP.
XX AC ABH08558;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208535 for detecting SNP TSC0050953.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208535; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 913 TTGTCCTTTG 923
XX Db 2 TTGTCCTTTG 12
XX RESULT 1781
ABF84335/c
ID ABF84335 standard; DNA; 13 BP.
XX AC ABF84335;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184332 for detecting SNP TSC0045489.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208535; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 913 TTGTCCTTTG 923
XX Db 2 TTGTCCTTTG 12
XX RESULT 1782
ABF84808
ID ABF84808 standard; DNA; 13 BP.
XX AC ABF84808;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184805 for detecting SNP TSC0045589.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 184332; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX QY 920 TTGTCCTTTT 930
XX Db 11 TTGTCCTTTT 1
XX RESULT 1782
ABF84808
ID ABF84808 standard; DNA; 13 BP.
XX AC ABF84808;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184805 for detecting SNP TSC0045589.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 184332; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;
```



```
Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 960 CTACCAACGGT 970
   |||||
Db 2 CTACCAACGAT 12
   |||||

RESULT 1785
ABH12346
ID ABH12346 standard; DNA; 13 BP.
XX
AC ABH12346;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212323 for detecting SNP TSC0051719.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212323; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTAATGTAT 957
   |||||
Db 1 TGGTTTGTGTAY 13
   |||||

RESULT 1786
ABH41757
ID ABH41757 standard; DNA; 13 BP.
XX
AC ABH41757;
XX

Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 931 TCCCTCCTCTT 941
   |||||
Db 1 TCCCTCCTCTT 11
   |||||

RESULT 1787
ABH42159
ID ABH42159 standard; DNA; 13 BP.
XX
AC ABH42159;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242136 for detecting SNP TSC0059061.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241734; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCCTCCTCTT 941
   |||||
Db 1 TCCCTCCTCTT 11
   |||||

RESULT 1787
ABH42159
ID ABH42159 standard; DNA; 13 BP.
XX
AC ABH42159;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242136 for detecting SNP TSC0059061.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 241734; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;
```





KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PP  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 261561; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 927 TTTATCCCTCC 937  
 DB 12 TTTATCCCTCC 2  
 RESULT 1793  
 ABC45647  
 ID ABC45647 standard; DNA; 13 BP.  
 XX  
 AC ABC45647;  
 XX  
 XX 21-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 45664 for detecting SNP TSC0013276.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PP  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX

XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 45664; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH2073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 957 TCGCTACCAAC 967  
 DB 1 TCGCTACCAAC 11  
 RESULT 1794  
 ABC49648  
 ID ABC49648 standard; DNA; 13 BP.  
 XX  
 AC ABC49648;  
 XX  
 XX 21-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 49665 for detecting SNP TSC0014024.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PP  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 49665; 29pp + Sequence Listing; German.  
 XX

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951  
Db 3 TAAATGGTTTA 13

RESULT 1795  
ABC50397/c  
ID ABC50397 standard; DNA; 13 BP.  
XX AC ABC50397;  
XX DT 21-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 50414 for detecting SNP TSC0014174.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 50414; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
Db 11 TTTTATTGGT 1

RESULT 1796  
ABC50401/c  
ID ABC50401 standard; DNA; 13 BP.  
XX AC ABC50401;  
XX DT 21-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 50418 for detecting SNP TSC0014174.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 50418; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
Db 11 TTTTATTGGT 1

RESULT 1797  
ABC76318









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PF 06-APR-2001; 2001WO-IB0000713.
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 11863; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 905 TCATTTCCTTT 915
Db 11 TCAATTCCTTT 1
RESULT 1806
ABF13770
ID ABF13770 standard; DNA; 13 BP.
XX
AC ABF13770;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 113767 for detecting SNP TSC0028479.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 113767; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 0 C; 3 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 908 TTTTCTTTGGT 918
Db 3 TTTTCTTTGGT 13
RESULT 1805
ABC88314/C
ID ABC88314 standard; DNA; 13 BP.
XX
AC ABC88314;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 88331 for detecting SNP TSC0022196.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
Db 2 ATTTCTTTGG 12
    ||||| |||
    ||||| |||

RESULT 1807
ABC63663
ID ABC63663 standard; DNA; 13 BP.
XX
AC ABC63663;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 63680 for detecting SNP TSC0016816.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 63680; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCCTC 936
Db 1 TTTTATCCCTC 11
    ||||| |||
    ||||| |||

RESULT 1808
ABC39010
ID ABC39010 standard; DNA; 13 BP.
XX
AC ABC39010;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 39027 for detecting SNP TSC0011997.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 39027; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917
Db 2 ATTTCTTTGG 12
    ||||| |||
    ||||| |||

RESULT 1809
ABC64528/c
ID ABC64528 standard; DNA; 13 BP.
XX
AC ABC64528;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 64545 for detecting SNP TSC0017022.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 64545; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 930 ATCCCTCCTCT 940  
 Db 11 ACCCTCCTCT 1  
 RESULT 1810  
 ABC64529  
 ID ABC64529 standard; DNA; 13 BP.  
 XX AC ABC64529;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 64546 for detecting SNP TSC0017022.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 64546; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 930 ATCCCTCCTCT 940  
 Db 3 ACCCTCCTCT 13  
 RESULT 1811  
 ABC39899  
 ID ABC39899 standard; DNA; 13 BP.  
 XX AC ABC39899;  
 XX 20-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 39916 for detecting SNP TSC0012171.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 39916; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940  
 Db 3 ATCCATCCTCT 13  
 |||||

RESULT 1812  
 ABC16199/C  
 ID ABC16199 standard; DNA; 13 BP.

AC ABC16199;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 16206 for detecting SNP TSC0003545.

SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 16206; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTTCTTTGG 917  
 Db 12 ATTTTCTTTGG 2  
 |||||

RESULT 1813  
 ABF15750

ID ABF15750 standard; DNA; 13 BP.

XX ABF15750;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 115747 for detecting SNP TSC0029020.

SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 115747; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 0 A; 0 C; 3 G; 10 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
 Db 2 TTTTCTTTGGT 12  
 |||||

RESULT 1814  
 ABF22104/C

ID ABF22104 standard; DNA; 13 BP.

XX

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AC ABF22104;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 122101 for detecting SNP TSC0030522.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 122101; 29pp + Sequence Listing; German.
XX SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 1 C; 4 G; 4 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 957 TCGTACCAAC 967
Db 11 TCGATACCAAC 1
RESULT 1815
ABF23068
XX ID ABF23068 standard; DNA; 13 BP.
XX AC ABF23068;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 123065 for detecting SNP TSC0030769.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.

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XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 123065; 29pp + Sequence Listing; German.
XX SQ This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 944 TTGGTTTAATG 954
Db 3 TTGGTTGAATG 13
RESULT 1816
ABF28323/c
XX ID ABF28323 standard; DNA; 13 BP.
XX AC ABF28323;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 128320 for detecting SNP TSC0032146.
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 128320; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 6 A; 2 C; 1 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 941 TCATTGGTTTAAT 953

Db 13 TCGTTAGTTTAA 1

RESULT 1817

ABF43155/C  
ID ABF43155 standard; DNA; 13 BP.

XX AC ABF43155;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 143152 for detecting SNP TSC0035906.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 143152; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 907 ATTTTCTTTGG 917

Db 11 ATTTTCTTTGG 1

RESULT 1818

ABF44657  
ID ABF44657 standard; DNA; 13 BP.

XX AC ABF44657;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 144654 for detecting SNP TSC0036377.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 144654; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 2 A; 8 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 929 TATCCCTCCCTC 939



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Db      |||||
        2 TATCCCTCCC 12

RESULT 1819
ABH21912/c
ID ABH21912 standard; DNA; 13 BP.
XX
AC ABH21912;
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 221889 for detecting SNP TSC0053997.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 221889 for detecting SNP TSC0053997.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 221889; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 3 G; 4 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 1 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db |||||
   13 TATCGCTATCA 3

RESULT 1820
ABF71905/c
ID ABF71905 standard; DNA; 13 BP.
XX
AC ABF71905;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171902 for detecting SNP TSC0042851.

```

```

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171902; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 943 ATTGCCTTATGT 955
Db |||||
   13 ATAGGTATATGY 1

RESULT 1821
ABH25152
ID ABH25152 standard; DNA; 13 BP.
XX
AC ABH25152;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 225129 for detecting SNP TSC0054886.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB0000713.

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```
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 225129; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Mismatches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATGTGTTTAATGT 955
DB 1 ATATGTTTAATGY 13
|| |||||
|| |||||
RESULT 1822
ABH05017/C
ID ABH05017 standard; DNA; 13 BP.
XX
XX ABH05017;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 204994 for detecting SNP TSC0010675.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 204994 for detecting SNP TSC0010675.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 204994; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Mismatches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATGTGTTTAATGT 955
DB 1 ATATGTTTAATGY 13
|| |||||
|| |||||
RESULT 1822
ABF80830
ID ABF80830 standard; DNA; 13 BP.
XX
XX ABF80830;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 180827 for detecting SNP TSC0044744.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 180827; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 941 TCATTGCTTTA 951
DB 13 TGATTGCTTTA 3
|| |||||
|| |||||
RESULT 1823
ABF80830
ID ABF80830 standard; DNA; 13 BP.
XX
XX ABF80830;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 180827 for detecting SNP TSC0044744.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 180827; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
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XX SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTAAATGTA 956
|||||
Db 2 GGTAAATTA 12

RESULT 1824
ABH32904/C
ID ABH32904 standard; DNA; 13 BP.
XX AC ABH32904;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 232881 for detecting SNP TSC0056816.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 232881; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
|||||
Db 12 TCATTTTCTTT 2

RESULT 1825

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ABH08287
ID ABH08287 standard; DNA; 13 BP.
XX AC ABH08287;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208264 for detecting SNP TSC0050910.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208264; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 919 CTTTGCTTTT 929
|||||
Db 3 CTTTGCTTTT 13

RESULT 1826
ABF85804
ID ABF85804 standard; DNA; 13 BP.
XX AC ABF85804;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 185801 for detecting SNP TSC0045794.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

```



CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 5 A; 1 C; 1 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 951 AATGATCGTAC 963  
 DB 13 AATTATCGATAY 1  
 |||||  
 |||||

RESULT 1829  
 ABF64993/C  
 ID ABF64993 standard; DNA; 13 BP.  
 AC ABF64993;  
 XX  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 164990 for detecting SNP TSC0041392.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 164990; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950  
 DB 12 TTTATTGGTTT 2  
 |||||  
 |||||

RESULT 1830  
 ABH41554  
 ID ABH41554 standard; DNA; 13 BP.  
 XX  
 AC ABH41554;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 241531 for detecting SNP TSC0058904.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 241531; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956  
 DB 1 GGTTTAAGTA 11  
 |||||  
 |||||

RESULT 1831  
 ABH17224  
 ID ABH17224 standard; DNA; 13 BP.  
 XX  
 AC ABH17224;  
 XX

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DT XX 22-FEB-2002 (first entry)
DE XX Oligonucleotide SEQ ID NO 217201 for detecting SNP TSC0052794.
KW XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 217201; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
Db 1 GGTTTAATGTA 11
RESULT 1832
ABH43934
ID ABH43934 standard; DNA; 13 BP.
XX AC ABH43934;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 243911 for detecting SNP TSC0059502.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 243911; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
Db 1 GGTTTAATGTA 11
RESULT 1832
ABH43934
ID ABH43934 standard; DNA; 13 BP.
XX AC ABH43934;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 243911 for detecting SNP TSC0060032.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 243911; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 943 ATGTTTAATGT 955
Db 1 ATGTTTAATGT 13
RESULT 1833
ABH45774
ID ABH45774 standard; DNA; 13 BP.
XX AC ABH45774;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 245751 for detecting SNP TSC0060032.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

```
PT methylation status.
XX Claim 1; SEQ ID NO 245751; 29pp + Sequence Listing; German.
PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 920 TTGCTTTTATC 932
DB 1 TTGCTTTTATY 13
RESULT 1834
ABH49252
ID ABH49252 standard; DNA; 13 BP.
XX
AC ABH49252;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 249229 for detecting SNP TSC0060878.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 249229; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 920 TTGCTTTTATC 932
DB 1 TTGCTTTTATY 13
RESULT 1835
ABH54962
ID ABH54962 standard; DNA; 13 BP.
XX
AC ABH54962;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 254939 for detecting SNP TSC0010199.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 254939; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGTTTGA 951
DB 2 TAATTGTTTGA 12
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RESULT 1836  
ABH60408  
ID ABH60408 standard; DNA; 13 BP.  
XX AC ABH60408;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 260385 for detecting SNP TSC0004827.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 260385; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
XX  
QY 946 GGTTTAATGTATC 958  
DB 1 GGAGTAATGTATY 13  
XX  
RESULT 1837  
ABH64193  
ID ABH64193 standard; DNA; 13 BP.  
XX AC ABH64193;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 264170 for detecting SNP TSC0064011.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 264170; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 7 C; 0 G; 2 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 957 TCGTACCAAC 967  
DB 2 TCCCTACCAAC 12  
XX  
RESULT 1838  
ABC42384/C  
ID ABC42384 standard; DNA; 13 BP.  
XX  
AC ABC42384;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 42401 for detecting SNP TSC0012648.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX



PA (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 42401; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 935 TCCTCTTCATT 945  
DB 13 TACTCTTCATT 3  
RESULT 1839  
ABC92839/c  
ID ABC92839 standard; DNA; 13 BP.  
XX AC ABC92839;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 92856 for detecting SNP TSC0023219.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 92856; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 935 TCCTCTTCATT 945  
DB 13 TACTCTTCATT 3  
RESULT 1839  
ABC92839/c  
ID ABC92839 standard; DNA; 13 BP.  
XX AC ABC92839;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 92856 for detecting SNP TSC0023219.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 92856; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 907 ATTTCTTTGG 917  
DB 12 ATTTCTTTGG 2  
RESULT 1840  
ABC95529/c  
ID ABC95529 standard; DNA; 13 BP.  
XX AC ABC95529;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 95546 for detecting SNP TSC0023777.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 95546; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 10 A; 1 C; 0 G; 1 T; 0 U; 1 Other;  
SQ

```

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTGCGCTTTTATC 932
Db 13 TTGTTTATTATY 1

RESULT 1841
ABC21593
ID ABC21593 standard; DNA; 13 BP.
XX
AC ABC21593;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 21610 for detecting SNP TSC0004336.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 21610; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915
Db 1 TCACCTTCTTT 11

RESULT 1842
ABC21784
ID ABC21784 standard; DNA; 13 BP.
XX
AC ABC21784;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97201 for detecting SNP TSC0024109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

```

```

XX ABC21784;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 21801 for detecting SNP TSC0004359.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 21801; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 2 GGTTTAATGTA 12

RESULT 1843
ABC97184
ID ABC97184 standard; DNA; 13 BP.
XX
AC ABC97184;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97201 for detecting SNP TSC0024109.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX

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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 97201; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 1 C; 2 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 920 TTTCGCTTTTA 930
XX DB 3 TTTCGCTTTTA 13
XX
XX RESULT 1844
XX ABC76273
XX ID ABC76273 standard; DNA; 13 BP.
XX AC
XX ABC76273;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 76290 for detecting SNP TSC0019520.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 76290; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 2 A; 1 C; 2 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 920 TTTCGCTTTTA 930
XX DB 3 TTTCGCTTTTA 13
XX
XX RESULT 1844
XX ABC76273
XX ID ABC76273 standard; DNA; 13 BP.
XX AC
XX ABC76273;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 76290 for detecting SNP TSC0019520.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 76290; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 925 CTTTATCCCT 935
XX DB 1 CATTATCCCT 11
XX
XX RESULT 1845
XX ABC76827/c
XX ID ABC76827 standard; DNA; 13 BP.
XX AC
XX ABC76827;
XX DT
XX 21-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 76844 for detecting SNP TSC0019632.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX PF
XX 07-APR-2000; 2000DE-01019173.
XX PR
XX (EPIG-) EPIGENOMICS AG.
XX PA
XX Olek A, Piepenbrock C, Berlin K;
XX PI
XX WPI; 2001-657177/75.
XX DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX
XX Claim 1; SEQ ID NO 76844; 29pp + Sequence Listing; German.
XX PS
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;
```

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917  
 |||||  
 Db 13 ATTTCGTTGG 3

## RESULT 1846

ABC27330  
 ID ABC27330 standard; DNA; 13 BP.

AC ABC27330;

XX 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 27347 for detecting SNP TSC0007513.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 27347; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 5 G; 5 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGATC 958  
 |||||  
 Db 1 GGTTTAATGGTY 13

## RESULT 1847

ABC52784  
 ID ABC52784 standard; DNA; 13 BP.

XX ABC52784;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 52801 for detecting SNP TSC0014620.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 52801; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 909 TTCTTTGGTCTT 921  
 |||||  
 Db 1 TTCTTTGGTGY 13

## RESULT 1848

ABC78033/C  
 ID ABC78033 standard; DNA; 13 BP.

XX ABC78033;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 78050 for detecting SNP TSC0019867.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPITG-) EPIDENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 78050; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTTCTTTGGT 918  
 DB 12 TTTTATTGGT 2  
 |||||  
 RESULT 1849  
 ABC28608  
 ID ABC28608 standard; DNA; 13 BP.  
 XX  
 AC ABC28608;  
 AC  
 XX 20-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 28625 for detecting SNP TSC0008250.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 78050; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTTCTTTGGT 918  
 DB 12 TTTTATTGGT 2  
 |||||  
 RESULT 1849  
 ABC28608  
 ID ABC28608 standard; DNA; 13 BP.  
 XX  
 AC ABC28608;  
 AC  
 XX 20-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 28625 for detecting SNP TSC0008250.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF

Oligonucleotide SEQ ID NO 78050 for detecting SNP TSC0019867.

DE XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS Homo sapiens.  
 XX XX  
 XX WO200177384-A2.  
 PN PD 18-OCT-2001.  
 PD XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF XX  
 XX 07-APR-2000; 2000DE-01019173.  
 PR XX  
 XX (EPITG-) EPIGENOMICS AG.  
 PA XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI XX  
 XX WPI; 2001-657177/75.  
 DR XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 78050; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
 Db 12 TTTTATTGGT 2  
 |||||  
 |||||

RESULT 1849  
 ABC28608  
 ID ABC28608 standard; DNA; 13 BP.  
 XX AC  
 AC ABC28608;  
 XX  
 DT 20-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide SEQ ID NO 28625 for detecting SNP TSC0008250.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS Homo sapiens.  
 XX XX  
 XX WO200177384-A2.  
 PN PD 18-OCT-2001.  
 PD XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 78050; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
 Db 12 TTTTATTGGT 2  
 |||||  
 |||||

RESULT 1849  
 ABC28608  
 ID ABC28608 standard; DNA; 13 BP.  
 XX AC  
 AC ABC28608;  
 XX  
 DT 20-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide SEQ ID NO 28625 for detecting SNP TSC0008250.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS Homo sapiens.  
 XX XX  
 XX WO200177384-A2.  
 PN PD 18-OCT-2001.  
 PD XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 78050; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 941 TCATTGGTTTAAAT 953  
 Db 1 TTATTGTTTAAAY 13  
 |||||  
 |||||

RESULT 1850  
 ABF03754  
 ID ABF03754 standard; DNA; 13 BP.  
 XX AC  
 AC ABF03754;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide SEQ ID NO 103751 for detecting SNP TSC0025946.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS Homo sapiens.  
 XX XX  
 XX WO200177384-A2.  
 PN PD 18-OCT-2001.  
 PD XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF XX  
 XX 07-APR-2000; 2000DE-01019173.  
 PR XX  
 XX (EPITG-) EPIGENOMICS AG.  
 PA XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI XX  
 XX WPI; 2001-657177/75.  
 DR XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 28625; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB102073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 941 TCATTGGTTTAAAT 953  
 Db 1 TTATTGTTTAAAY 13  
 |||||  
 |||||

RESULT 1850  
 ABF03754  
 ID ABF03754 standard; DNA; 13 BP.  
 XX AC  
 AC ABF03754;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE  
 DE Oligonucleotide SEQ ID NO 103751 for detecting SNP TSC0025946.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS Homo sapiens.  
 XX XX  
 XX WO200177384-A2.  
 PN PD 18-OCT-2001.  
 PD XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF XX  
 XX 07-APR-2000; 2000DE-01019173.  
 PR XX  
 XX (EPITG-) EPIGENOMICS AG.  
 PA XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI XX  
 XX WPI; 2001-657177/75.  
 DR XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 28625; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-AB

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PS Claim 1; SEQ ID NO 103751; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 903 GGTGATTTTCTTT 915
DB 1 GGTGATTTTCTTT 13
RESULT 1851
ABC04591/C
ID ABC04591 standard; DNA; 13 BP.
XX
AC ABC04591;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 4582 for detecting SNP TSC0001664.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 4582; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 903 GGTGATTTTCTTT 915
DB 1 GGTGATTTTCTTT 13
RESULT 1852
ABC54044/C
ID ABC54044 standard; DNA; 13 BP.
XX
AC ABC54044;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 54061 for detecting SNP TSC0014864.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 54061; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 6 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 924 CCTTTTATCCC 934
DB 12 CCTTTTATCCC 2
```



PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX  
 PS Claim 1; SEQ ID NO 30480; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 SQ

OY 938 TCTTCATGTTT 950  
 DB 13 TATTAATGGT 1  
 |||||  
 |||||

RESULT 1856  
 ABF06322  
 ID ABF06322 standard; DNA; 13 BP.  
 XX  
 XX  
 AC ABF06322;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 XX  
 DE Oligonucleotide SEQ ID NO 106319 for detecting SNP TSC0026646.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 DR  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX  
 PS Claim 1; SEQ ID NO 106319; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 SQ

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 SQ

OY 908 TTTCTTTGGT 918  
 DB 1 TTTTATTGGT 11  
 |||||  
 |||||

RESULT 1857  
 ABC57984  
 ID ABC57984 standard; DNA; 13 BP.  
 XX  
 XX  
 AC ABC57984;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 XX  
 DE Oligonucleotide SEQ ID NO 58001 for detecting SNP TSC0015581.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 DR  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX  
 PS Claim 1; SEQ ID NO 58001; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 SQ



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Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
Db 1 GTTTAATGTAT 11

RESULT 1858
ABC0883
ID ABC0883 standard; DNA; 13 BP.
XX
AC ABC0883;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 8874 for detecting SNP TSC0002401.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 8874; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
XX
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTATCCC 934
Db 2 CCTTTATCTC 12

RESULT 1859
ABC58136
ID ABC58136 standard; DNA; 13 BP.
XX
AC ABC58136;
XX

Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 924 CCTTTATCCC 934
Db 2 CCTTTATCTC 12

RESULT 1859
ABC58136
ID ABC58136 standard; DNA; 13 BP.
XX
AC ABC58136;
XX

Best Local Similarity 90.9%; Score 9.4; DB 1; Length 13;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
Db 1 GTTTAATGTAT 11

RESULT 1860
ABC84254
ID ABC84254 standard; DNA; 13 BP.
XX
AC ABC84254;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 84271 for detecting SNP TSC0021190.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.  
XX  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 84271; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 2 A; 1 C; 2 G; 8 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
XX QY 920 TTTCGCTTTTA 930  
XX  
XX Db 2 TTTCGCTTTTA 12  
XX  
XX RESULT 1861  
XX ABC84255/c  
XX ID ABC84255 standard; DNA; 13 BP.  
XX  
XX AC ABC84255;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 84272 for detecting SNP TSC0021190.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO2001.77384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX Oligonucleotide SEQ ID NO 84272 for detecting SNP TSC0021190.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO2001.77384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 84272; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 8 A; 2 C; 1 G; 2 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
XX QY 920 TTTCGCTTTTA 930  
XX  
XX Db 12 TTTCGCTTTTA 2  
XX  
XX RESULT 1862  
XX ABC11210/c  
XX ID ABC11210 standard; DNA; 13 BP.  
XX  
XX AC ABC11210;  
XX  
XX 20-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 11201 for detecting SNP TSC0002751.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO2001.77384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 11201; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX Sequence 13 BP; 8 A; 2 C; 1 G; 2 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
XX QY 920 TTTCGCTTTTA 930  
XX  
XX Db 12 TTTCGCTTTTA 2  
XX  
XX RESULT 1862  
XX ABC11210/c  
XX ID ABC11210 standard; DNA; 13 BP.  
XX  
XX AC ABC11210;  
XX  
XX 20-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 11201 for detecting SNP TSC0002751.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO2001.77384-A2.  
XX  
XX 18-OCT-2001.  
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XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
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XX (EPIG-) EPIGENOMICS AG.  
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XX Olek A, Piepenbrock C, Berlin K;  
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XX WPI; 2001-657177/75.  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 905 TCATTTTCCTT 915  
||| |||||  
DB 13 TCCTTTTCCTT 3  
RESULT 1863  
ABC8231/C  
ID ABC8231 standard; DNA; 13 BP.  
XX  
AC ABC8231;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 8248 for detecting SNP TSC0022172.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 8248; 29pp + Sequence Listing; German.  
CC  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGAT 957  
||||| |||||

DB 13 GTTTGATGAT 3  
RESULT 1864  
ABC39266/C  
ID ABC39266 standard; DNA; 13 BP.  
XX  
AC ABC39266;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 39283 for detecting SNP TSC0012032.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 39283; 29pp + Sequence Listing; German.  
CC  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 1 C; 6 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 955 TATCGCTACCA 965  
||||| |||||  
DB 12 TATCGCTACCA 2  
RESULT 1865  
ABC15528  
ID ABC15528 standard; DNA; 13 BP.  
XX  
AC ABC15528;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 15535 for detecting SNP TSC0003441.  
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 15535; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTAAATGAT 957  
 DB |||||  
 2 GTTAAATGAT 12  
 RESULT 1866  
 ABC39901  
 ID ABC39901 standard; DNA; 13 BP.  
 XX AC ABC39901;  
 XX 20-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 39918 for detecting SNP TSC0012171.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 39918; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 2 A; 5 C; 1 G; 4 T; 0 U; 1 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 930 ATCCCTCCTCT 940  
 DB |||||  
 3 ATCCCTCCTCT 13  
 RESULT 1867  
 ABC40250/C  
 ID ABC40250 standard; DNA; 13 BP.  
 XX AC ABC40250;  
 XX 21-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 40267 for detecting SNP TSC0012231.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 40267; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965  
DB 11 TATCGCTACCA 1

RESULT 1868  
ABF19666  
ID ABF19666 standard; DNA; 13 BP.  
XX AC ABF19666;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 119663 for detecting SNP TSC0029865.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX FS Claim 1; SEQ ID NO 119663; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX CC range of diseases including immune system, gastrointestinal, respiratory,  
XX CC central nervous system, cardiovascular and metabolic disorders. The  
XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGGG 917  
DB 2 ATTTCTTTGGG 12

RESULT 1869  
ABF24055  
ID ABF24055 standard; DNA; 13 BP.  
XX AC ABF24055;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 124052 for detecting SNP TSC0031019.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX FS Claim 1; SEQ ID NO 124052; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX CC range of diseases including immune system, gastrointestinal, respiratory,  
XX CC central nervous system, cardiovascular and metabolic disorders. The  
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XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTCGCTTT 928  
DB 1 TCTTTCGCTTT 11

RESULT 1870  
ABF31384

ID ABF31384 standard; DNA; 13 BP.  
 XX AC ABF31384;  
 XX DT 21-FEB-2002 (first entry)  
 XX DE Oligonucleotide SEQ ID NO 131381 for detecting SNP TSC0032794.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX PT designed to detect single-nucleotide polymorphisms and cytosine  
 XX PT methylation status.  
 XX PS Claim 1; SEQ ID NO 131381; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX CC range of diseases including immune system, gastrointestinal, respiratory,  
 XX CC central nervous system, cardiovascular and metabolic disorders. The  
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX CC represent the oligomers described in the invention. NOTE: The sequence  
 XX CC data for this patent did not form part of the printed specification, but  
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 XX CC  
 XX CC Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX CC range of diseases including immune system, gastrointestinal, respiratory,  
 XX CC central nervous system, cardiovascular and metabolic disorders. The  
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 XX CC data for this patent did not form part of the printed specification, but  
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 XX CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX CC  
 XX CC Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. NO. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 945 TGGTTTAATGTAT 957  
 DB 1 TGGTTTACTTAY 13  
 RESULT 1871  
 ID ABF33393/C  
 XX ABF33393 standard; DNA; 13 BP.  
 XX AC ABF33393;  
 XX DT 21-FEB-2002 (first entry)  
 XX DE Oligonucleotide SEQ ID NO 133390 for detecting SNP TSC0033272.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.

XX WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX PT designed to detect single-nucleotide polymorphisms and cytosine  
 XX PT methylation status.  
 XX PS Claim 1; SEQ ID NO 133390; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 XX CC range of diseases including immune system, gastrointestinal, respiratory,  
 XX CC central nervous system, cardiovascular and metabolic disorders. The  
 XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
 XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 XX CC represent the oligomers described in the invention. NOTE: The sequence  
 XX CC data for this patent did not form part of the printed specification, but  
 XX CC was obtained in electronic format from WIPO at  
 XX CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX CC  
 XX CC Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTAAATGTAT 957  
 DB 13 GGTAAATGTAT 3  
 RESULT 1872  
 ID ABF35481/C  
 XX ABF35481 standard; DNA; 13 BP.  
 XX AC ABF35481;  
 XX DT 21-FEB-2002 (first entry)  
 XX DE Oligonucleotide SEQ ID NO 135478 for detecting SNP TSC0033820.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.

DR WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 135478; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 940 TTCATGTTT 950  
 Db 13 TTCGTTGTTT 3  
 RESULT 1873  
 ABF35871/c  
 ID ABF35871 standard; DNA; 13 BP.  
 XX  
 AC ABF35871;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 135868 for detecting SNP TSC0033928.  
 XX  
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 WPI; 2001-657177/75.  
 XX  
 Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 135868; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 949 TTAATGATCG 959  
 Db 12 TTAATGATAG 2  
 RESULT 1874  
 ABH18330  
 ID ABH18330 standard; DNA; 13 BP.  
 XX  
 AC ABH18330;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 218307 for detecting SNP TSC0053079.  
 XX  
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 WPI; 2001-657177/75.  
 XX  
 Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 218307; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;







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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 956 ATCGCTACCAA 966
Db 11 ATCTCTACCAA 1

RESULT 1880
ABH00157
ID ABH00157 standard; DNA; 13 BP.
XX
AC ABH00157;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 200134 for detecting SNP TSC0049243.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 200134; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 9 C; 0 G; 4 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
Db 1 TCTCCCTCCTC 11

RESULT 1881
ABF75624
ID ABF75624 standard; DNA; 13 BP.
XX
AC ABF75624;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 175621 for detecting SNP TSC0043631.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 175621; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 76.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GCTTTAATGTCATC 958
Db 1 GCTTTAATGTCATC 13

RESULT 1882
ABH27291
ID ABH27291 standard; DNA; 13 BP.
XX
AC ABH27291;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 227268 for detecting SNP TSC005438.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 227268; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 1 A; 5 C; 0 G; 7 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 905 TCATTCTCTTT 915  
DB 2 TCATTCTCTTT 12  
RESULT 1883  
ABH03394  
ID ABH03394 standard; DNA; 13 BP.  
XX AC ABH03394;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 203371 for detecting SNP TSC0049945.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
PA

XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 203371; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAAAT 953  
DB 1 ATTGGTTTAAAT 11  
RESULT 1884  
ABF54251/c  
ID ABF54251 standard; DNA; 13 BP.  
XX AC ABF54251;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 154248 for detecting SNP TSC0038983.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 154248; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB09989, AB00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTCTTTGG 917

Db 12 ATTCTTTGG 2

RESULT 1885  
 ABH04879/C  
 ID ABH04879 standard; DNA; 13 BP.

XX ABH04879;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 204856 for detecting SNP TSC0010223.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 204856; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB09989, AB00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950

Db 13 TTTATTGGTTT 3

RESULT 1886

ABH32349/C

ID ABH32349 standard; DNA; 13 BP.

XX ABH32349;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 232326 for detecting SNP TSC0056660.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 232326; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB09989, AB00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAT 953

Db 11 ATTGGTTTAAT 1

RESULT 1887

ABH35003

ID ABH35003 standard; DNA; 13 BP.

XX



PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 236088; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

Db 11 TCGTTGGTTTA 1

RESULT 1890

ABF60977/C  
 ID ABF60977 standard; DNA; 13 BP.

XX AC ABF60977;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 160974 for detecting SNP TSC0005250.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 160974; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957

Db 13 GGTTAATGTAT 3

RESULT 1891

ABF61732  
 ID ABF61732 standard; DNA; 13 BP.

XX AC ABF61732;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 161729 for detecting SNP TSC0040712.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 161729; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 1 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTATGCC 960

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Db      1 TTTATTGTGCGY 13
|||||
RESULT 1892
ABH12114
ID ABH12114 standard; DNA; 13 BP.
XX
AC ABH12114;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212091 for detecting SNP TSC0051687.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212091; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAATCT 955
|||||
Db 1 ATTGGTGTTATGY 13
|||||
RESULT 1893
ABH12344
ID ABH12344 standard; DNA; 13 BP.
XX
AC ABH12344;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 212321 for detecting SNP TSC0051719.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 212091; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAATCT 955
|||||
Db 1 ATTGGTGTTATGY 13
|||||
RESULT 1894
ABF65193/C
ID ABF65193 standard; DNA; 13 BP.
XX
AC ABF65193;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165190 for detecting SNP TSC0041428.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
QY 945 TGGTTTAATCTAT 957
|||||
Db 1 TGGTTTCTGTAY 13
|||||
RESULT 1894
ABF65193/C
ID ABF65193 standard; DNA; 13 BP.
XX
AC ABF65193;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165190 for detecting SNP TSC0041428.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
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XX SQ Sequence 13 BP; 3 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCTTTTA 930
Db 3 TTTACCTTTTA 13

RESULT 1899
ABH51303
ID ABH51303 standard; DNA; 13 BP.
XX AC ABH51303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251280 for detecting SNP TSC0061339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 251280; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 1 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCTTTTA 930
Db 3 TTTACCTTTTA 13

RESULT 1899
ABH51303
ID ABH51303 standard; DNA; 13 BP.
XX AC ABH51303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251280 for detecting SNP TSC0061339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 251280; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTGCTTTTA 930
Db 3 TTTACCTTTTA 13

RESULT 1899
ABH51303
ID ABH51303 standard; DNA; 13 BP.
XX AC ABH51303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 251280 for detecting SNP TSC0061339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 253738; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 12 GGTTTAATATA 2

RESULT 1899
ABH56303
ID ABH56303 standard; DNA; 13 BP.
XX AC ABH56303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 256280 for detecting SNP TSC0062436.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 253738; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
Db 12 GGTTTAATATA 2

RESULT 1899
ABH56303
ID ABH56303 standard; DNA; 13 BP.
XX AC ABH56303;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 256280 for detecting SNP TSC0062436.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 253738; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 256280; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 935 TCCTCTTCATT 945
XX 2 TCCTCTTCATT 12
XX
XX RESULT 1900
XX ABH56778/c
XX ID ABH56778 standard; DNA; 13 BP.
XX AC ABH56778;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 256755 for detecting SNP TSC0062519.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 256755; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 927 TTTATCCCTCC 937
XX 12 TTTATCCCTC 2
XX
XX RESULT 1901
XX ABH58032
XX ID ABH58032 standard; DNA; 13 BP.
XX AC ABH58032;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 238009 for detecting SNP TSC0007374.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 258009; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
XX

```

CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
 DB 1 GTTTAATGAT 11  
 RESULT 1902  
 ABH58033/c  
 ID ABH58033 standard; DNA; 13 BP.  
 XX  
 AC ABH58033;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 258010 for detecting SNP TSC0007374.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.

XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 258010; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTTAATGAT 957  
 DB 13 GTTTAATGAT 3  
 RESULT 1903  
 ABC42385  
 ID ABC42385 standard; DNA; 13 BP.  
 XX  
 AC ABC42385;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 42402 for detecting SNP TSC0012648.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.

XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 42402; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945  
 DB 1 TACTCTTCATT 11

RESULT 1904  
 ABC93031/c  
 ID ABC93031 standard; DNA; 13 BP.

XX  
 AC ABC93031;  
 XX

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DT 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 93048 for detecting SNP TSC0023263.
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 908 TTTTCGTTGGT 918
DB 11 TTTTCGTTGGT 1
RESULT 1905
ABC68200/C
ID ABC68200 standard; DNA; 13 BP.
XX AC ABC68200;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 68217 for detecting SNP TSC0017803.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 908 TTTTCGTTGGT 918
DB 11 TTTTCGTTGGT 1
RESULT 1905
ABC68200/C
ID ABC68200 standard; DNA; 13 BP.
XX AC ABC68200;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 68217 for detecting SNP TSC0017803.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93048; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 3 C; 1 G; 0 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 908 TTTTCGTTGGT 918
DB 11 TTTTCGTTGGT 1
RESULT 1905
ABC68200/C
ID ABC68200 standard; DNA; 13 BP.
XX AC ABC68200;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 68217 for detecting SNP TSC0017803.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 68217; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 935 TCCTCTTCATT 945
DB 11 TCCTCTACATT 1
RESULT 1906
ABC49342
ID ABC49342 standard; DNA; 13 BP.
XX AC ABC49342;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 49359 for detecting SNP TSC0013972.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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RESULT 1909
ABC52785/c
ID ABC52785 standard; DNA; 13 BP.
XX AC ABC52785;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 52802 for detecting SNP TSC0014620.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 52802; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 909 TTCTTTGGCTT 921
DB 13 TTTTITGGGTG 1
RESULT 1910
ABC28261/c
ID ABC28261 standard; DNA; 13 BP.
XX AC ABC28261;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 28278 for detecting SNP TSC0008027.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

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KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 28278; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTGT 950
DB 11 TTTATTGGTTT 1
RESULT 1911
ABC54045
ID ABC54045 standard; DNA; 13 BP.
XX AC ABC54045;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 54062 for detecting SNP TSC0014864.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.

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PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 54062; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 924 CTTTATCCC 934  
 Db 2 CTTTTTCCC 12  
 RESULT 1912  
 ABC54363/C  
 ID ABC54363 standard; DNA; 13 BP.  
 AC ABC54363;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 54380 for detecting SNP TSC0014918.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 54380; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 924 CTTTATCCC 934  
 Db 2 CTTTTTCCC 12  
 RESULT 1912  
 ABC54363/C  
 ID ABC54363 standard; DNA; 13 BP.  
 AC ABC54363;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 54380 for detecting SNP TSC0014918.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 54380; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 0 A; 6 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 913 TTGTGTTTGG 923  
 Db 13 TTGTGTTTGG 3  
 RESULT 1913  
 ABC31037/C  
 ID ABC31037 standard; DNA; 13 BP.  
 AC ABC31037;  
 XX 20-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 31054 for detecting SNP TSC0009579.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 31054; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 1 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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XX AC Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX AC Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX DT Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX XX
DE QY 947 GTTTAATGAT 957
XX DB 13 GTTTAATGAAT 3
XX
RESULT 1914
XX ABF06503
XX ID ABF06503 standard; DNA; 13 BP.
XX AC ABF06503;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 106500 for detecting SNP TSC0026688.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 106500; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 5 C; 1 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 956 ATCGCTACCA 966
XX DB 3 ATCGCTACCA 13
XX
RESULT 1915
XX ABC32308
XX ID ABC32308 standard; DNA; 13 BP.

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XX ABC32308;
XX AC
XX DT 20-FEB-2002 (first entry)
XX XX
DE QY Oligonucleotide SEQ ID NO 32325 for detecting SNP TSC0010079.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PP 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIC-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 32325; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 908 TTTTCTTGTGT 918
XX DB 1 TTTTATTGT 11
XX
RESULT 1916
XX ABC83376
XX ID ABC83376 standard; DNA; 13 BP.
XX AC ABC83376;
XX XX
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 83393 for detecting SNP TSC0021005.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX

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PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83393; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
DB 2 ATTGATTTAAT 12
|||||
XX
RESULT 1917
ABC83377/c
ID ABC83377 standard; DNA; 13 BP.
XX
XX ABC83377;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 83394 for detecting SNP TSC0021005.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
DE 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 83394 for detecting SNP TSC0021005.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 83393; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
DB 2 ATTGATTTAAT 12
|||||
XX
RESULT 1918
ABC85827/c
ID ABC85827 standard; DNA; 13 BP.
XX
XX ABC85827;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 85844 for detecting SNP TSC0021564.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 85844; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The

```

CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918

Db 13 TTTTCTTTGGT 3

RESULT 1919

ABC61967

ID ABC61967 standard; DNA; 13 BP.

XX AC ABC61967;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 61984 for detecting SNP TSC0016471.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 61984; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939

Db 3 TATCCCTCCTC 13

RESULT 1920

ABC37801/C

ID ABC37801 standard; DNA; 13 BP.

XX AC ABC37801;

XX DT 20-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 37818 for detecting SNP TSC0011747.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

XX methylation status.

XX Claim 1; SEQ ID NO 37818; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

Db 12 ATTTCTTTGG 2

RESULT 1921

ABC62945/C

ID ABC62945 standard; DNA; 13 BP.

XX AC ABC62945;

XX DT 21-FEB-2002 (first entry)

XX

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DE Oligonucleotide SEQ ID NO 62962 for detecting SNP TSC0016655.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 62962; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 940 TTCATTGGTTT 950
XX |||||
XX 12 TTTATGGTTT 2
XX
XX RESULT 1922
XX ABF13697
XX ID ABF13697 standard; DNA; 13 BP.
XX
XX AC ABF13697;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 113694 for detecting SNP TSC0028455.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 113694; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABP00010-ABP99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 5 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 930 ATCCCTCCTCT 940
XX |||||
XX 2 ATCCCTACTCT 12
XX
XX RESULT 1923
XX ABC15495/c
XX ID ABC15495 standard; DNA; 13 BP.
XX
XX AC ABC15495;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 15502 for detecting SNP TSC0003435.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX 06-APR-2001; 2001WO-IB000713.

```

PS Claim 1; SEQ ID NO 15502; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

Db 12 TTATTGGTTTA 2

RESULT 1924

ABF23910  
ID ABF23910 standard; DNA; 13 BP.

XX AC ABF23910;

XX DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 123907 for detecting SNP TSC0030983.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.

XX WO200177384-A2.  
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX PS Claim 1; SEQ ID NO 123907; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGCTTTT 922

Db 1 TTCGTTGGTTT 13

RESULT 1925

ABF24054/C  
ID ABF24054 standard; DNA; 13 BP.

XX AC ABF24054;

XX DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 124051 for detecting SNP TSC0031019.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.

XX WO200177384-A2.  
XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX PS Claim 1; SEQ ID NO 124051; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TTCTTTGGCTTTT 928

Db 13 TTCTTTACCTTT 3

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RESULT 1926
ABF37358
ID ABF37358 standard; DNA; 13 BP.
XX
AC ABF37358;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 137355 for detecting SNP TSC0034314.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 137355; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 2 TTTTCTTTGGT 12

RESULT 1927
ABH18331/c
ID ABH18331 standard; DNA; 13 BP.
XX
AC ABH18331;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 218308 for detecting SNP TSC0053079.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX

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XX Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 218308; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTGGT 918
Db 13 TTTTCTTTGGT 3

RESULT 1928
ABH19170/c
ID ABH19170 standard; DNA; 13 BP.
XX
XX AC ABH19170;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 219147 for detecting SNP TSC0053288.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 219147; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
 DB 12 GTTTAATTAT 2  
 |||||  
 |||||

RESULT 1929  
 ABF94183  
 ID ABF94183 standard; DNA; 13 BP.  
 AC ABF94183;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX  
 DE Oligonucleotide SEQ ID NO 194180 for detecting SNP TSC0047755.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 194180; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 8 A; 1 C; 1 G; 3 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
 DB 12 GTTTAATTAT 2  
 |||||  
 |||||

RESULT 1930  
 ABF44660/C  
 ID ABF44660 standard; DNA; 13 BP.  
 AC ABF44660;  
 XX  
 XX 21-FEB-2002 (first entry)  
 DT  
 XX  
 DE Oligonucleotide SEQ ID NO 144657 for detecting SNP TSC0036377.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 144657; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 3 A; 1 C; 8 G; 1 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;







CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published pct sequences

XX  
 SQ    Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;  
  
       Query Match            12.9%;    Score 9.4;    DB 1;    Length 13;  
       Best Local Similarity    90.9%;    Pred.No. 1.3e+03;  
       Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915  
|||  
Db 2 TCATTATCTTT 12

RESULT 1936  
ABH04047/C  
ID ABH04047 standard: DNA: 13 BP.

AC ABH04047;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 204024 for detecting SNP TSC0008066.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
KW

XX Homo sapiens. OS

XX  
PN  
WO200177384-A2.

18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

AA  
PR 07-APR-2000; 2000DE-01019173.XX  
PA (EPIG-) EPIGENOMICS AG.XX  
PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PS Claim 1: SEO ID NO 204024: 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABCQ00010-ABC99989, ABF00010-ABF9989, ABH00010-ABH99989 and ABI00010-ABI92073 represent the oligomers described in the invention. NOTE: the sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at <http://wipo.int/pub/published/pct> sequences

Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match	12.9%	Score 9.4;	DB 1;	Length 13;
Best Local Similarity	90.9%	Pred. No. 1.3e+03;		
Matches 10:	Conservative	0:	Mismatches 1;	Indels 0;
				Gaps 0;

QY 913 TTTGGTCTTG 923

Db 11 TTTGGTTTTG 1

RESULT 1937

ABH04878

ID ABH04878 standard; DNA; 13 BP.

XX  
AC ABH04878;  
XX  
DT 22-FEB-2002 (first entry)

XX  
DE Oligonucleotide SEQ ID NO 204855 for detecting SNP TSC0010223.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW

XX Homo sapiens.

XX  
PN  
WO200177384-A2.XX  
PD  
18-OCT-2001.XX  
PF 06-APR-2001: 2001WO-IB0000713.

07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX  
PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

PS Claim 1: SEO ID NO 204855; 29pp + Sequence Listing; German.  
XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT99989 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at [ftp.wipo.int/pub/publicised/pct\\_sequences](http://wipo.int/pub/publicised/pct_sequences)

Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;

Query Match	12.9%	Score 9.4;	DB 1;	Length 13;
Best Local Similarity	90.9%	Pred. No. 1.3e+03;		
Matches	10:	Mismatches 0;	Indels 1;	Gaps 0;
		Conservative		

940 TTCATTGGTTT 950  
OvDb  
1

## RESULT 1938

ABH08285  
ID ABH08285 standard; DNA; 13 BP.

XX ABH08285;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 208262 for detecting SNP TSC0050910.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 208262; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 0 A; 5 C; 0 G; 8 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 919 CTTTGCCTTT 929  
 Db 3 CTTTGCCTTT 13  
 RESULT 1939  
 ABH08918  
 ID ABH08918 standard; DNA; 13 BP.  
 AC ABH08918;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 208895 for detecting SNP TSC0006015.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 208895; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 910 TTCTTTGGTCTTT 922  
 Db 1 TTTTGGTCTTY 13  
 RESULT 1940  
 ABH09269  
 ID ABH09269 standard; DNA; 13 BP.  
 AC ABH09269;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 209246 for detecting SNP TSC0051100.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 209246; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945  
|||||  
Db 1 TCCTCTTCATT 11  
|||||

RESULT 1941  
ABH09784  
ID ABH09784 standard; DNA; 13 BP.  
XX AC ABH09784;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 209761 for detecting SNP TSC0051215.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX PS Claim 1; SEQ ID NO 209761; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 920 TTTCCTTTTA 930  
|||||  
Db 2 TTTCCTTTTA 12  
|||||

RESULT 1942  
ABH37082/c  
ID ABH37082 standard; DNA; 13 BP.  
XX AC ABH37082;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 237059 for detecting SNP TSC0057828.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX PS Claim 1; SEQ ID NO 237059; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 960 CTACCAACGGT 970  
|||||  
Db 12 CTACCAACGAT 2  
|||||

RESULT 1943  
ABF62508

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ID ABF62508 standard; DNA; 13 BP.
XX AC ABF62508;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 162505 for detecting SNP TSC0040879.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 162505; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATGGGTTTAAT 953
DB 2 ATGGGTTTAAT 12
RESULT 1944
ABH38409/c
ID ABH38409 standard; DNA; 13 BP.
XX AC ABH38409;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 238366 for detecting SNP TSC0058142.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WI WIPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX PS Claim 1; SEQ ID NO 238366; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTAATGTTAT 957
DB 13 GTTTAATGTTAT 3
RESULT 1945
ABH39906/c
ID ABH39906 standard; DNA; 13 BP.
XX AC ABH39906;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 239983 for detecting SNP TSC0008514.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;

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DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX  
 PS Claim 1; SEQ ID NO 239883; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 920 TTTCCTTTTA 930  
 DB 13 TTTCCTTTTA 3  
 RESULT 1946  
 ABH16021/C  
 ID ABH16021 standard; DNA; 13 BP.  
 AC ABH16021;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 215998 for detecting SNP TSC0052522.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 215998; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 920 TTTCCTTTTA 930  
 DB 13 TTTCCTTTTA 3  
 RESULT 1946  
 ABH16021/C  
 ID ABH16021 standard; DNA; 13 BP.  
 AC ABH16021;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 215998 for detecting SNP TSC0052522.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 215998; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 0 C; 2 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAAAT 953  
 DB 13 ATTGGTTTAAAT 3  
 RESULT 1947  
 ABH41301  
 ID ABH41301 standard; DNA; 13 BP.  
 AC ABH41301;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 241278 for detecting SNP TSC0058852.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 241278; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	925	CTTTTATCCCT	935
DB	3	CATTTATCCCT	13
RESULT 1948			
ABH48736	ID ABH48736 standard; DNA; 13 BP.		
XX	AC	ABH48736;	
XX	AC	ABH48736;	
DT	22-FEB-2002	(first entry)	
XX	XX	Oligonucleotide SEQ ID NO 248713 for detecting SNP TSC0060779.	
DE	DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
OS	OS	Homo sapiens.	
XX	XX	WO200177384-A2.	
PN	PN	18-OCT-2001.	
XX	PD	06-APR-2001; 2001WO-IB000713.	
XX	PD	07-APR-2000; 2000DE-01019173.	
XX	PA	(EPIG-) EPIGENOMICS AG.	
XX	PI	Olek A, Piepenbrock C, Berlin K;	
XX	PI	WPI; 2001-657177/75.	
DR	DR	Set of oligonucleotides, useful for diagnosis and cell typing, is	
XX	PT	designed to detect single-nucleotide polymorphisms and cytosine	
XX	PT	methylation status.	
XX	PS	Claim 1; SEQ ID NO 248714; 29pp + Sequence Listing; German.	
XX	XX	This invention describes novel oligonucleotide primers or peptide nucleic	
CC	CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	CC	oligomers are also used for detecting cell type differentiation. ABC00010	
CC	CC	-ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
CC	CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	CC	data for this patent did not form part of the printed specification, but	
CC	CC	was obtained in electronic format from WIPO at	
CC	CC	ftp.wipo.int/pub/published_pct_sequences	
XX	XX	Sequence 13 BP; 2 A; 1 C; 3 G; 7 T; 0 U; 0 Other;	
XX	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;	
XX	XX	Best Local Similarity 90.9%; Pred. No. 1.3e+03;	
XX	XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
QY	909	TTTCTTTGGTC	919
DB	1	TTTATTGGTC	11
RESULT 1949			
ABH48737/c	ID ABH48737 standard; DNA; 13 BP.		
XX	AC	ABH48737;	
XX	AC	ABH48737;	
XX	XX	22-FEB-2002 (first entry)	



CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTGTTAATGTCATC 958

Db 1 GGTGTTAGTCTT 13

RESULT 1953

ABC94164/C  
ID ABC94164 standard; DNA; 13 BP.

AC ABC94164;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 94181 for detecting SNP TSC0023510.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.

PS Claim 1; SEQ ID NO 94181; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942

Db 13 CCTCTCTCTTC 3

RESULT 1954  
ABC69635  
ID ABC69635 standard; DNA; 13 BP.

XX ABC69635;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 69652 for detecting SNP TSC0018118.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.

PS Claim 1; SEQ ID NO 69652; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 3 A; 6 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 933 CCTCTCTCTTCA 943

Db 2 CCTCTCTTCA 12

RESULT 1955

ABC96215/C  
ID ABC96215 standard; DNA; 13 BP.

XX ABC96215;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 96232 for detecting SNP TSC0023919.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;



KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 PD  
 PT  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 96232; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 909 TTCTCTTGTC 919  
 DB 13 TTTGTTTGTC 3  
 RESULT 1956  
 ABC50400  
 ID ABC50400 standard; DNA; 13 BP.  
 XX  
 AC ABC50400;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 50417 for detecting SNP TSC0014174.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA

XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 PD  
 PT  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 50417; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABH00010-ABH82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTCTCTTGTC 918  
 DB 3 TTTGTTTGTC 13  
 RESULT 1957  
 ABC51417/C  
 ID ABC51417 standard; DNA; 13 BP.  
 XX  
 AC ABC51417;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 51434 for detecting SNP TSC0014360.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 51434; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959  
 Db 12 TTAATGATCG 2  
 |||||

RESULT 1958  
 ABC76944  
 ID ABC76944 standard; DNA; 13 BP.

XX AC ABC76944;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 76961 for detecting SNP TSC0019654.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 76961; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGGTCCTTG 923  
 Db 1 TTGTGGTCCTTG 11  
 |||||

RESULT 1959  
 ABC76945/c  
 ID ABC76945 standard; DNA; 13 BP.

XX AC ABC76945;

XX DT 21-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 76962 for detecting SNP TSC0019654.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 76962; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGGTCCTTG 923  
 Db 13 TTGTGGTCCTTG 3  
 |||||

RESULT 1960  
 ABF02724  
 ID ABF02724 standard; DNA; 13 BP.

XX

```

AC ABF02724;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102721 for detecting SNP TSC0025656.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 102721; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGTTTAAAT 953
DB 3 ATTGTTTAAAT 13
XX
RESULT 1961
ABC03283
XX ID ABC03283 standard; DNA; 13 BP.
XX
AC ABC03283;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 3274 for detecting SNP TSC0001238.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 3274; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 6 C; 1 G; 4 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 930 ATCCGTCCTCT 940'
DB 3 ATCCGTCCTCT 13
XX
RESULT 1962
ABC28609/C
XX ID ABC28609 standard; DNA; 13 BP.
XX
AC ABC28609;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 28626 for detecting SNP TSC0008250.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 28626; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 941 TCATTGGTTTAAAT 953

Db 13 TTATTGTTTAAAY 1

RESULT 1963

ABC54365/c  
 ID ABC54365 standard; DNA; 13 BP.

AC ABC54365;

DT 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 54382 for detecting SNP TSC0014918.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 54382; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 7 A; 5 C; 0 G; 0 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTTGGTCTTTG 923

Db 13 TTTGGTCTTTG 3

RESULT 1964

ABC05709/c  
 ID ABC05709 standard; DNA; 13 BP.

AC ABC05709;

DT 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 5700 for detecting SNP TSC0001864.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIC-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 5700; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 909 TTTCTTTGGTCTT 921



PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT Claim 1; SEQ ID NO 107525; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 940 TTCATTGGTTT 950  
 DB 1 TTCATTGGTTT 11  
 RESULT 1968  
 ABC83282/c  
 ID ABC83282 standard; DNA; 13 BP.  
 XX  
 AC ABC83282;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 83299 for detecting SNP TSC0020996.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR Oligonucleotide SEQ ID NO 83299 for detecting SNP TSC0020996.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 83299; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 935 TCCTCTTCATT 945  
 DB 12 TCCTCTTCATT 2  
 RESULT 1969  
 ABC88315  
 ID ABC88315 standard; DNA; 13 BP.  
 XX  
 AC ABC88315;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 88332 for detecting SNP TSC0022196.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 88332; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC

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XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTCCTTT 915
Db 3 TCATTTCCTTT 13

RESULT 1970
ABC14556/c
ID ABC14556 standard; DNA; 13 BP.
XX
AC ABC14556;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 14563 for detecting SNP TSC0003286.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PS WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 14563; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 9 G; 0 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 931 TCCCTCCTCTT 941
Db 11 TCCCTCCTCTT 1

RESULT 1971
ABC15529/c
ID ABC15529 standard; DNA; 13 BP.
XX
AC ABC15529;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 15536 for detecting SNP TSC0003441.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
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CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 944 TTGGTTTAATG 954  
DB 3 TTGGTTGAATG 13  
  
RESULT 1975  
ABF23911/c  
ID ABF23911 standard; DNA; 13 BP.  
XX  
AC ABF23911;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 123908 for detecting SNP TSC0030983.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 123908; 29pp + Sequence Listing; German.  
XX  
SQ This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 910 TTCTTTGGTCTTT 922  
DB 13 TTCTTTGGTCTTT 1  
  
RESULT 1976  
ABF26454  
ID ABF26454 standard; DNA; 13 BP.  
XX  
AC ABF26454;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 126451 for detecting SNP TSC0031640.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 126451; 29pp + Sequence Listing; German.  
XX  
SQ This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGTAAT 957  
DB 2 GTTTAATGTAAT 12  
  
RESULT 1977  
ABF28322  
ID ABF28322 standard; DNA; 13 BP.  
XX  
AC ABF28322;  
XX



PT methylation status.  
XX Claim 1; SEQ ID NO 133099; 29pp + Sequence Listing; German.  
PS  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 906 CATTTCTTTGGT 918  
DB 1 CGTTTTTTGGY 13  
  
RESULT 1980  
ABF35870  
ID ABF35870 standard; DNA; 13 BP.  
XX  
AC ABF35870;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 135867 for detecting SNP TSC0033928.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 135867; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 906 CATTTCTTTGGT 918  
DB 1 CGTTTTTTGGY 13  
  
RESULT 1981  
ABF69351/C  
ID ABF69351 standard; DNA; 13 BP.  
XX  
AC ABF69351;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 169348 for detecting SNP TSC0042311.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
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PR 07-APR-2000; 2000DE-01019173.  
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PA (EPIG-) EPIGENOMICS AG.  
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PI Olek A, Piepenbrock C, Berlin K;  
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PI WPI; 2001-657177/75.  
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PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 169348; 29pp + Sequence Listing; German.  
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CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
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CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 908 TTTTCTTTGGT 918  
DB 13 TTTTCTTTGGT 3

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RESULT 1982
ABF71904
ID ABF71904 standard; DNA; 13 BP.
XX
AC ABF71904;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 171901 for detecting SNP TSC0042851.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 171901; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
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CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAATGT 955
DB 1 ATAGGTATATGY 13
XX
RESULT 1983
ABF97555
ID ABF97555 standard; DNA; 13 BP.
XX
AC ABF97555;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197552 for detecting SNP TSC0048617.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 197552; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTCCTTT 915
DB 2 TCATTTCCTTT 12
XX
RESULT 1984
ABF75625/c
ID ABF75625 standard; DNA; 13 BP.
XX
AC ABF75625;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 175622 for detecting SNP TSC0043631.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
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PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 175622; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
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 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 946 GCTTTAATGTC 958  
 DB 13 GCTTTAATGTTT 1  
 RESULT 1985  
 ABH26486  
 ID ABH26486 standard; DNA; 13 BP.  
 XX AC ABH26486;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 226463 for detecting SNP TSC0055199.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 226463; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
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 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 946 GCTTTAATGTC 958  
 DB 13 GCTTTAATGTTT 1  
 RESULT 1985  
 ABH27856  
 ID ABH27856 standard; DNA; 13 BP.  
 XX AC ABH27856;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 227833 for detecting SNP TSC0055556.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 227833; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTTAATGTAT 957  
 DB 1 GTTTAATGTTT 11  
 RESULT 1986  
 ABH27856/C  
 ID ABH27856 standard; DNA; 13 BP.  
 XX AC ABH27856;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 227833 for detecting SNP TSC0055556.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
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 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
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 PT methylation status.  
 XX Claim 1; SEQ ID NO 227833; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
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 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 1 C; 6 G; 2 T; 0 U; 1 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCCTCT 940
DB 11 ATCCCTCCGCT 1

RESULT 1987
ABF78024
ID ABF78024 standard; DNA; 13 BP.
AC ABF78024;
XX
XX 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 178021 for detecting SNP TSC0044112.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 178021; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
XX Sequence 13 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 1 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGATATCC 960
DB 1 TTTAATATATAGY 13

RESULT 1988
ABF80152/c
ID ABF80152 standard; DNA; 13 BP.
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGATATCC 960
DB 1 TTTAATATATAGY 13

RESULT 1988
ABF80152/c
ID ABF80152 standard; DNA; 13 BP.
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCCTTT 915
DB 13 TCATTTTCCTTT 3

RESULT 1989
ABF81512
ID ABF81512 standard; DNA; 13 BP.
XX
XX AC ABF81512;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 181509 for detecting SNP TSC0044883.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
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PN WO200177384-A2.
XX
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PD 18-OCT-2001.
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DR WPI; 2001-657177/75.
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PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 181509; 29pp + Sequence Listing; German.
XX
XX
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
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CC central nervous system, cardiovascular and metabolic disorders. The
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XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTCATTGGTTT 950
DB 1 TTTTAATTGGTTT 13
RESULT 1990
ABF58535/C
ID ABF58535 standard; DNA; 13 BP.
XX
XX
AC ABF58535;
XX
XX
DT 21-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 158532 for detecting SNP TSC0039907.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
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PD 18-OCT-2001.
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PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PI Olek A, Piepenbrock C, Berlin K;
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DR WPI; 2001-657177/75.
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PS Claim 1; SEQ ID NO 158532; 29pp + Sequence Listing; German.
XX
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XX
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTCATTGGTTT 950
DB 1 TTTTAATTGGTTT 13
RESULT 1991
ABF58980/C
ID ABF58980 standard; DNA; 13 BP.
XX
XX
AC ABF58980;
XX
XX
DT 21-FEB-2002 (first entry)
XX
XX
DE Oligonucleotide SEQ ID NO 158977 for detecting SNP TSC0040030.
XX
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX
OS Homo sapiens.
XX
XX
PN WO200177384-A2.
XX
XX
PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
XX
PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIG-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX
PS Claim 1; SEQ ID NO 158977; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
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CC central nervous system, cardiovascular and metabolic disorders. The
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 11 TTGATTGGTTT 1
```





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DE Oligonucleotide SEQ ID NO 235462 for detecting SNP TSC0057483.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 235462; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 943 ATTGGTTTAAAT 953
DB 13 ATTGGTTTAAAT 3
|||||
RESULT 1995
ABH11307/c
ID ABH11307 standard; DNA; 13 BP.
XX ABH11307;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 211284 for detecting SNP TSC0051542.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX

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XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 211284; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 6 A; 5 C; 1 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGTGCTTTG 923
DB 13 TTGTGCTTTG 3
|||||
RESULT 1996
ABH12345/c
ID ABH12345 standard; DNA; 13 BP.
XX ABH12345;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 212322 for detecting SNP TSC0051719.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX 06-APR-2001; 2001WO-IB000713.

```



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RESULT 1999
ABF65192
ID ABF65192 standard; DNA; 13 BP.
XX
AC ABF65192;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 165189 for detecting SNP TSC0041428.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 165189; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 946 GGTTTAATGATC 958
Db 1 GGTTTAAGTTT 13
XX
RESULT 2000
ABH17045/c
ID ABH17045 standard; DNA; 13 BP.
XX
AC ABH17045;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217022 for detecting SNP TSC0052748.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Oy 910 TTCTTTGGTCTT 922
Db 13 TTGTTTGGTTT 1
XX
RESULT 2001
ABH45775/c
ID ABH45775 standard; DNA; 13 BP.
XX
AC ABH45775;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 245752 for detecting SNP TSC0060032.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX

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PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 245752; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 920 TTGCGCTTTTATC 932
Db 13 TTGCGCTTTTATY 1

RESULT 2002
ABH56302/C
ID ABH56302 standard; DNA; 13 BP.
XX
XX ABH56302;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 256279 for detecting SNP TSC0062436.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
FN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIC-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 256279; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 935 TCCTCTTCATT 945
Db 12 TCCTCTTTATT 2

RESULT 2003
ABH60409/C
ID ABH60409 standard; DNA; 13 BP.
XX
XX ABH60409;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide SEQ ID NO 260386 for detecting SNP TSC0004827.
DE
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
FN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIC-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 260386; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.3%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 946 GGTAAATGATC 958
Db 13 GGAGTAAGTATY 1

RESULT 2004
ABH65132/c
ID ABH65132 standard; DNA; 13 BP.
XX
AC ABH65132;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 265109 for detecting SNP TSC0064241.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 265109; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 935 TCCTCTTCATT 945
Db 11 TCCTCTTCCTT 1

RESULT 2005
ABC42529/c
ID ABC42529 standard; DNA; 13 BP.
XX
AC ABC42529;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 946 GGTAAATGATC 958
Db 13 GGAGTAAGTATY 1

RESULT 2004
ABH65132/c
ID ABH65132 standard; DNA; 13 BP.
XX
AC ABH65132;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 265109 for detecting SNP TSC0064241.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPiG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 265109; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 5 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 908 TTTTCTTTTGGT 918
Db 13 TTTTCTTTTGGT 3

RESULT 2006
ABC69634/c
ID ABC69634 standard; DNA; 13 BP.
XX
AC ABC69634;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 69651 for detecting SNP TSC0018118.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
AC
```

PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 69651; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 0 C; 6 G; 3 T; 0 U; 0 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 933 CCTCTCTTCA 943  
 Db 12 CCTCTCTTCA 2  
 XX  
 RESULT 2007  
 ABC2207/c  
 ID ABC2207 standard; DNA; 13 BP.  
 XX  
 AC ABC2207;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 22224 for detecting SNP TSC0004408.  
 XX  
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 22224; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 1 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 946 GGTTAATGTA 956  
 Db 13 GGTTAATGTA 3  
 XX  
 RESULT 2008  
 ABC24678/c  
 ID ABC24678 standard; DNA; 13 BP.  
 XX  
 AC ABC24678;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 24695 for detecting SNP TSC0005921.  
 XX  
 SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 24695; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

CC represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915

DB 13 TCATTTCCTTT 3

RESULT 2009

ABC49649/c

ID ABC49649 standard; DNA; 13 BP.

XX

AC ABC49649;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 49666 for detecting SNP TSC0014024.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is

designed to detect single-nucleotide polymorphisms and cytosine

methylation status.

XX

PS Claim 1; SEQ ID NO 49666; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The

oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073

represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but

was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951

|||||

Db 11 TAATTGGTTTA 1

RESULT 2010

ABF01571/c

ID ABF01571 standard; DNA; 13 BP.

XX

AC ABF01571;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 101568 for detecting SNP TSC0025295.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB0000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is

designed to detect single-nucleotide polymorphisms and cytosine

methylation status.

XX

PS Claim 1; SEQ ID NO 101568; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918

|||||

DB 12 TTTTCTTTGCT 2

|||||

RESULT 2011

ABC54212/c

ID ABC54212 standard; DNA; 13 BP.

XX

AC ABC54212;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 54229 for detecting SNP TSC0014889.

XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 54229; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 1 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 928 TTATCCCTCCT 938  
 Db 12 TTATCCCTCCT 2  
 RESULT 2012  
 ABC05643  
 ID ABC05643 standard; DNA; 13 BP.  
 XX ABC05643;  
 AC 20-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 5634 for detecting SNP TSC0001852.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 5634; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 930 ATCCCTCCTCT 940  
 Db 3 ATCCCTCCTCT 13  
 RESULT 2013  
 ABF05984/C  
 ID ABF05984 standard; DNA; 13 BP.  
 XX ABF05984;  
 AC 21-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 105981 for detecting SNP TSC0026556.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 105981; 29pp + Sequence Listing; German.



CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 922 TGCCCTTTATC 932  
Db 12 TACCTTTATC 2  
RESULT 2014  
ID ABF09665 standard; DNA; 13 BP.  
AC ABF09665;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 109662 for detecting SNP TSC0027429.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 109662; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX

SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 934 CTCCTCTTCTAT 944  
Db 1 CTCCTCTTCTT 11  
RESULT 2015  
ID ABC10378 standard; DNA; 13 BP.  
XX  
AC ABC10378;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 10369 for detecting SNP TSC0002630.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 10369; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 1 C; 5 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 956 ATCGCTACCAA 966  
Db 11 ACCGCTACCAA 1  
RESULT 2016  
ABC86604

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ID  ABC86604 standard; DNA; 13 BP.
XX
AC  ABC86604;
XX
DT  21-FEB-2002 (first entry)
XX
DE  Oligonucleotide SEQ ID NO 86621 for detecting SNP TSC0021768.
XX
KW  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS  Homo sapiens.
XX
PN  WO200177384-A2.
XX
PD  18-OCT-2001.
XX
PF  06-APR-2001; 2001WO-IB000713.
XX
PR  07-APR-2000; 2000DE-01019173.
XX
PA  (EPIG-) EPIGENOMICS AG.
XX
PI  Olek A, Piepenbrock C, Berlin K;
XX
PI  WPI; 2001-657177/75.
XX
PT  Set of oligonucleotides, useful for diagnosis and cell typing, is
PT  designed to detect single-nucleotide polymorphisms and cytosine
PT  methylation status.
XX
PS  Claim 1; SEQ ID NO 86621; 29pp + Sequence Listing; German.
XX
CC  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
XX
CC  This invention describes novel oligonucleotide primers or peptide nucleic
CC  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC  and cytosine methylation status in chemically pretreated genomic DNA. The
CC  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC  range of diseases including immune system, gastrointestinal, respiratory,
CC  central nervous system, cardiovascular and metabolic disorders. The
CC  oligomers are also used for detecting cell type differentiation. ABC00010
CC  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC  represent the oligomers described in the invention. NOTE: The sequence
CC  data for this patent did not form part of the printed specification, but
CC  was obtained in electronic format from WIPO at
CC  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 4 A; 0 C; 4 G; 4 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY  946 GGTTAATGATC 958
Db  1 GGTTAAGGATY 13

RESULT 2017
ABC12758
ID  ABC12758 standard; DNA; 13 BP.
XX
AC  ABC12758;
XX
DT  20-FEB-2002 (first entry)
XX
DE  Oligonucleotide SEQ ID NO 12765 for detecting SNP TSC002990.
XX
KW  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS  Homo sapiens.

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XX  WO200177384-A2.
XX  18-OCT-2001.
XX  06-APR-2001; 2001WO-IB000713.
XX  07-APR-2000; 2000DE-01019173.
XX  (EPIG-) EPIGENOMICS AG.
XX  Olek A, Piepenbrock C, Berlin K;
XX  WPI; 2001-657177/75.
XX  Set of oligonucleotides, useful for diagnosis and cell typing, is
XX  designed to detect single-nucleotide polymorphisms and cytosine
XX  methylation status.
XX  Claim 1; SEQ ID NO 12765; 29pp + Sequence Listing; German.
XX  This invention describes novel oligonucleotide primers or peptide nucleic
XX  acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX  and cytosine methylation status in chemically pretreated genomic DNA. The
XX  oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX  range of diseases including immune system, gastrointestinal, respiratory,
XX  central nervous system, cardiovascular and metabolic disorders. The
XX  oligomers are also used for detecting cell type differentiation. ABC00010
XX  -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX  represent the oligomers described in the invention. NOTE: The sequence
XX  data for this patent did not form part of the printed specification, but
XX  was obtained in electronic format from WIPO at
XX  ftp.wipo.int/pub/published_pct_sequences
XX
SQ  Sequence 13 BP; 0 A; 0 C; 2 G; 10 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY  910 TTCTTTGGCTTT 922
Db  1 TTTTGGTTT 13

RESULT 2018
ABC63662/c
ID  ABC63662 standard; DNA; 13 BP.
XX
AC  ABC63662;
XX
DT  21-FEB-2002 (first entry)
XX
DE  Oligonucleotide SEQ ID NO 63679 for detecting SNP TSC0016816.
XX
KW  SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW  peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW  central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS  Homo sapiens.
XX
PN  WO200177384-A2.
XX
PD  18-OCT-2001.
XX
PF  06-APR-2001; 2001WO-IB000713.
XX
PR  07-APR-2000; 2000DE-01019173.
XX
PA  (EPIG-) EPIGENOMICS AG.
XX
PI  Olek A, Piepenbrock C, Berlin K;
XX

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DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 63679; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCTC 936
DB 13 TTTTATCCCC 3

RESULT 2019
ABC39012
ID ABC39012 standard; DNA; 13 BP.
XX AC ABC39012;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 39029 for detecting SNP TSC0011997.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 39029; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 926 TTTTATCCTC 936
DB 13 TTTTATCCCC 3

RESULT 2019
ABC39012
ID ABC39012 standard; DNA; 13 BP.
XX AC ABC39012;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 39029 for detecting SNP TSC0011997.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 39029; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTTCTTTGG 917
DB 2 ATTTTCTTTGG 12

RESULT 2020
ABC63715/C
ID ABC63715 standard; DNA; 13 BP.
XX AC ABC63715;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 63732 for detecting SNP TSC0016828.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 63732; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```

QY      946 GGTTTAATGTA 956
Db      12 GTTTTAATGTA 2

RESULT 2021
ABC41695/c
ID ABC41695 standard; DNA; 13 BP.
XX
AC ABC41695;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 41712 for detecting SNP TSC0012510.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 41712; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Query Match 12.9%; Score 9.4; DB 1; Length 13;
PS Best Local Similarity 90.9%; Pred No. 1.3e+03;
PS Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY      908 TTTTCTTTGGT 918
Db      13 TTTTCTTTGGT 3

RESULT 2022
ABC42115/c
ID ABC42115 standard; DNA; 13 BP.
XX
AC ABC42115;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117076 for detecting SNP TSC0029300.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 42132; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Query Match 12.9%; Score 9.4; DB 1; Length 13;
PS Best Local Similarity 76.9%; Pred No. 1.3e+03;
PS Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY      946 GGTTTAATGTA 958
Db      13 GGTTTAATGTTT 1

RESULT 2023
ABF17079/c
ID ABF17079 standard; DNA; 13 BP.
XX
AC ABF17079;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 117076 for detecting SNP TSC0029300.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 117076; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 5 C; 0 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 913 TTGTCGTTG 923  
Db 12 TTGTCGTTG 2  
  
RESULT 2024  
ABF33392  
ID ABF33392 standard; DNA; 13 BP.  
XX  
AC ABF33392;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 133389 for detecting SNP TSC0033272.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 133389; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGTAT 957  
Db 1 GGTTAATGTAT 11  
  
RESULT 2025  
ABF36955/c  
ID ABF36955 standard; DNA; 13 BP.  
XX  
AC ABF36955;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 136952 for detecting SNP TSC0034226.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 136952; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

```

CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
      Query Match      12.9%; Score 9.4; DB 1; Length 13;
      Best Local Similarity 90.9%; Pred. No. 1.3e+03;
      Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      947 GTTAAATGAT 957
Db      12 GTTATTGAT 2
      ||||| |||||
      ||||| |||||

RESULT 2026
ABF67683
ID      ABF67683 standard; DNA; 13 BP.
XX
AC      ABF67683;
XX
XX      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 167680 for detecting SNP TSC0041967.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
FN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 167680; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
ABF67683, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
      Query Match      12.9%; Score 9.4; DB 1; Length 13;
      Best Local Similarity 90.9%; Pred. No. 1.3e+03;
      Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      957 TCGCTACCAAC 967
Db      3 TCCTACCAAC 13
      ||||| |||||
      ||||| |||||

RESULT 2027
ABF43101/C
ID      ABF43101 standard; DNA; 13 BP.
XX
AC      ABF43101;
XX
XX      21-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 143098 for detecting SNP TSC0035891.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
FN      WO200177384-A2.
XX
PD      18-OCT-2001.
XX
PF      06-APR-2001; 2001WO-IB000713.
XX
PR      07-APR-2000; 2000DE-01019173.
XX
PA      (EPIG-) EPIGENOMICS AG.
XX
PI      Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 143098; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
ABF43101, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ      Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
      Query Match      12.9%; Score 9.4; DB 1; Length 13;
      Best Local Similarity 90.9%; Pred. No. 1.3e+03;
      Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      913 TTGTGCTTTG 923
Db      13 TTGTGCTTTG 3
      ||||| |||||
      ||||| |||||

RESULT 2028
ABF93304
ID      ABF93304 standard; DNA; 13 BP.
XX
AC      ABF93304;
XX
XX      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide SEQ ID NO 193301 for detecting SNP TSC0047559.
XX
KW      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 193301; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTAAATGAT 957  
 DB 1 GTTAAATGAT 11  
 RESULT 2029  
 ABF69697/c  
 ID ABF69697 standard; DNA; 13 BP.  
 XX  
 AC ABF69697;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 169694 for detecting SNP TSC0004777.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 FN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 169694; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 6 C; 0 G; 2 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 945 TGGTTTAATGCT 955  
 DB 11 TGGTTGAATGCT 1  
 RESULT 2030  
 ABF95993  
 ID ABF95993 standard; DNA; 13 BP.  
 XX  
 AC ABF95993;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 195990 for detecting SNP TSC0048213.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 FN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 195990; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligonucleotides are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 7 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCCTCCTCTTC 942  
 Db 2 CCCTCCTCTTC 12  
 ||||| |||||

RESULT 2031  
 ABH24255/c  
 ID ABH24255 standard; DNA; 13 BP.

AC ABH24255;  
 XX  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 224232 for detecting SNP TSC0054640.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 224232; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

XX Sequence 13 BP; 7 A; 4 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCCTTGGT 918  
 Db 12 TTTTCCTTGGT 2  
 ||||| |||||

RESULT 2032  
 ABH00851/c  
 ID ABH00851 standard; DNA; 13 BP.

XX AC ABH00851;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 200828 for detecting SNP TSC0049410.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 200828; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTTTCCTTGGTT 950  
 Db 12 TTTTCCTTGGTT 2  
 ||||| |||||

RESULT 2033  
 ABH26960  
 ID ABH26960 standard; DNA; 13 BP.

XX



```

AC ABH26960;
XX
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 226937 for detecting SNP TSC0055323.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 226937; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 946 GGTTTAATGTA 956
XX 1 GGTTTAATGTA 11
XX
XX RESULT 2034
XX ABF77162
XX ID ABF77162 standard; DNA; 13 BP.
XX
XX AC ABF77162;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177159 for detecting SNP TSC0009928.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 177159; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
XX 948 TTTAATGTCGCG 960
XX 1 TTTAATGTCGCG 13
XX
XX RESULT 2035
XX ABH27350
XX ID ABH27350 standard; DNA; 13 BP.
XX
XX AC ABH27350;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 227327 for detecting SNP TSC0004949.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX

```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 227327; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGCTAT 957

Db 1 TGGTTTATTATAT 13

RESULT 2036

ABH02535  
 ID ABH02535 standard; DNA; 13 BP.

AC ABH02535;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 202512 for detecting SNP TSC0049776.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 202512; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942

Db 2 CTCTCTCTTC 12

RESULT 2037

ABH27852/C

ID ABH27852 standard; DNA; 13 BP.

AC ABH27852;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 227829 for detecting SNP TSC0055556.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 227829; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 6 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCT 940

```

Db      11 ATCCCTCACT 1
        ||||| ||
RESULT 2038
ABF53194/C
ID   ABF53194 standard; DNA; 13 BP.
XX
XX   ABF53194;
XX
XX   21-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 153191 for detecting SNP TSC0038712.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX
XX   07-APR-2000; 2000DE-01019173.
XX
XX   (EPIG-) EPIGENOMICS AG.
XX
XX   Olek A, Piepenbrock C, Berlin K;
XX
XX   WPI; 2001-657177/75.
XX
XX   Set of oligonucleotides, useful for diagnosis and cell typing, is
XX   designed to detect single-nucleotide polymorphisms and cytosine
XX   methylation status.
XX
XX   Claim 1; SEQ ID NO 153191; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Claim 1; SEQ ID NO 153191; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX   Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX   Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX   Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX   Qy      918 TCTTTGCCCTTT 928
XX         ||||| |||||
XX   Db      12 TCTTTGCCCTTT 2
XX
XX   RESULT 2039
XX   ABF53195
XX   ID   ABF53195 standard; DNA; 13 BP.
XX
XX   AC   ABF53195;
XX
XX   21-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 153192 for detecting SNP TSC0038712.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX
XX   07-APR-2000; 2000DE-01019173.
XX
XX   (EPIG-) EPIGENOMICS AG.
XX
XX   Olek A, Piepenbrock C, Berlin K;
XX
XX   WPI; 2001-657177/75.
XX
XX   Set of oligonucleotides, useful for diagnosis and cell typing, is
XX   designed to detect single-nucleotide polymorphisms and cytosine
XX   methylation status.
XX
XX   Claim 1; SEQ ID NO 153192; 29pp + Sequence Listing; German.
XX
XX   This invention describes novel oligonucleotide primers or peptide nucleic
XX   acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX   and cytosine methylation status in chemically pretreated genomic DNA. The
XX   oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX   range of diseases including immune system, gastrointestinal, respiratory,
XX   central nervous system, cardiovascular and metabolic disorders. The
XX   oligomers are also used for detecting cell type differentiation. ABC00010
XX   -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
XX   represent the oligomers described in the invention. NOTE: The sequence
XX   data for this patent did not form part of the printed specification, but
XX   was obtained in electronic format from WIPO at
XX   ftp.wipo.int/pub/published_pct_sequences
XX
XX   Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;
XX
XX   Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX   Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX   Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX   Qy      918 TCTTTGCCCTTT 928
XX         ||||| |||||
XX   Db      12 TCTTTGCCCTTT 2
XX
XX   RESULT 2040
XX   ABH05016
XX   ID   ABH05016 standard; DNA; 13 BP.
XX
XX   AC   ABH05016;
XX
XX   22-FEB-2002 (first entry)
XX
XX   Oligonucleotide SEQ ID NO 204993 for detecting SNP TSC0010675.
XX
XX   SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX   peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX   central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX   Homo sapiens.
XX
XX   WO200177384-A2.
XX
XX   18-OCT-2001.
XX
XX   06-APR-2001; 2001WO-IB000713.
XX
XX

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PR 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
DR
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 204993; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGGTTTA 951
DB 1 TCATTGGTTTA 11
RESULT 2041
ABH05319/c
ID ABH05319 standard; DNA; 13 BP.
XX
XX ABH05319;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 205296 for detecting SNP TSC0050330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 205296 for detecting SNP TSC0050330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPTG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 205296; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
DB 12 ATTGGTTTAAT 2
RESULT 2042
ABH08286/c
ID ABH08286 standard; DNA; 13 BP.
XX
XX ABH08286;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 208263 for detecting SNP TSC0050910.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 208263; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

```

```
XX SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 919 CTTTGCCCTTT 929
Db 11 CTTTACCTTT 1

RESULT 2043
ABF84809/c
ID ABF84809 standard; DNA; 13 BP.
XX AC ABF84809;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 184806 for detecting SNP TSC0045589.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 184806; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 13 GTTTAATGTAT 3

RESULT 2044
```

```
ABF8652/c
XX ID ABF8652 standard; DNA; 13 BP.
XX AC ABF8652;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 186649 for detecting SNP TSC0045992.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 186649; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 929 TATCCCTCTTC 939
Db 11 TCTCCCTCTTC 1

RESULT 2045
ABH12115/c
ID ABH12115 standard; DNA; 13 BP.
XX AC ABH12115;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 212092 for detecting SNP TSC0051687.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 212092; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAATG 955  
 Db 13 ATTGGTTTAATG 1  
 RESULT 2046  
 ABF62511/C  
 ID ABF62511 standard; DNA; 13 BP.  
 XX AC ABF62511;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 162508 for detecting SNP TSC0040879.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 162508; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAAT 953  
 Db 12 ATTGGTTTAAT 2  
 RESULT 2047  
 ABH39554  
 ID ABH39554 standard; DNA; 13 BP.  
 XX AC ABH39554;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 239531 for detecting SNP TSC0059433.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 239531; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 946 GGTTAATGATC 958  
Db 1 GGTTTATATATY 13  
  
RESULT 2048  
ABF65320  
ID ABF65320 standard; DNA; 13 BP.  
XX  
AC ABF65320;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 165317 for detecting SNP TSC0041464.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 165317; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 908 TTTCTTTTGGT 918  
Db 1 TTTTATTGGT 11  
  
RESULT 2050  
ABH16169/C  
ID ABH16169 standard; DNA; 13 BP.  
XX  
AC ABH16169;  
XX

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 949 TTAATGATC 959  
Db 3 TTAATGATAG 13  
  
RESULT 2049  
ABH16168  
ID ABH16168 standard; DNA; 13 BP.  
XX  
AC ABH16168;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 216145 for detecting SNP TSC0052566.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 216145; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 908 TTTCTTTTGGT 918  
Db 1 TTTTATTGGT 11  
  
RESULT 2050  
ABH16169/C  
ID ABH16169 standard; DNA; 13 BP.  
XX  
AC ABH16169;  
XX

```

DT XX 22-FEB-2002 (first entry)
DE XX Oligonucleotide SEQ ID NO 216146 for detecting SNP TSC0052566.
DE XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX CS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT PT designed to detect single-nucleotide polymorphisms and cytosine
PT PT methylation status.
XX PS Claim 1; SEQ ID NO 216146; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC CC range of diseases including immune system, gastrointestinal, respiratory,
CC CC central nervous system, cardiovascular and metabolic disorders. The
CC CC oligomers are also used for detecting cell type differentiation. ABC00010
CC CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC CC represent the oligomers described in the invention. NOTE: The sequence
CC CC data for this patent did not form part of the printed specification, but
CC CC was obtained in electronic format from WIPO at
CC CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC CC range of diseases including immune system, gastrointestinal, respiratory,
CC CC central nervous system, cardiovascular and metabolic disorders. The
CC CC oligomers are also used for detecting cell type differentiation. ABC00010
CC CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC CC represent the oligomers described in the invention. NOTE: The sequence
CC CC data for this patent did not form part of the printed specification, but
CC CC was obtained in electronic format from WIPO at
CC CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
DB 13 TTTTATTGGT 3

RESULT 2051
ABF91690
ID ABF91690 standard; DNA; 13 BP.
AC ABF91690;
XX XX 22-FEB-2002 (first entry)
XX XX Oligonucleotide SEQ ID NO 191687 for detecting SNP TSC0000813.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT PT designed to detect single-nucleotide polymorphisms and cytosine
PT PT methylation status.
XX PS Claim 1; SEQ ID NO 191687; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
CC CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC CC range of diseases including immune system, gastrointestinal, respiratory,
CC CC central nervous system, cardiovascular and metabolic disorders. The
CC CC oligomers are also used for detecting cell type differentiation. ABC00010
CC CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC CC represent the oligomers described in the invention. NOTE: The sequence
CC CC data for this patent did not form part of the printed specification, but
CC CC was obtained in electronic format from WIPO at
CC CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
DB 1 GTTTGATGTAT 11

RESULT 2052
ABH48620
ID ABH48620 standard; DNA; 13 BP.
AC ABH48620;
XX XX 22-FEB-2002 (first entry)
XX XX Oligonucleotide SEQ ID NO 248597 for detecting SNP TSC0060756.
DE DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX 06-APR-2001; 2001WO-IB000713.
XX XX 07-APR-2000; 2000DE-01019173.
XX XX (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX WPI; 2001-657177/75.
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT PT designed to detect single-nucleotide polymorphisms and cytosine
PT PT methylation status.

```



PT methylation status.  
XX Claim 1; SEQ ID NO 248597; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 908 TTTTCTTTGGT 918  
Db 3 TTTTCTTTGGT 13  
  
RESULT 2053  
ABH48621/C  
ID ABH48621 standard; DNA; 13 BP.  
XX  
AC ABH48621;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 248598 for detecting SNP TSC0060756.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 248598; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 908 TTTTCTTTGGT 918  
Db 3 TTTTCTTTGGT 13  
  
RESULT 2053  
ABH48621/C  
ID ABH48621 standard; DNA; 13 BP.  
XX  
AC ABH48621;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 248598 for detecting SNP TSC0060756.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 248598; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 908 TTTTCTTTGGT 918  
Db 3 TTTTCTTTGGT 13  
  
RESULT 2053  
ABH48621/C  
ID ABH48621 standard; DNA; 13 BP.  
XX  
AC ABH48621;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 253420 for detecting SNP TSC0061816.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 253420; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 908 TTTTCTTTGGT 918  
Db 11 TTTTCTTTGGT 1  
  
RESULT 2054  
ABH53443/C  
ID ABH53443 standard; DNA; 13 BP.  
XX  
AC ABH53443;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 253420 for detecting SNP TSC0061816.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 253420; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 5 C; 1 G; 0 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
Qy 907 ATTTCTTTGGT 919  
Db 13 ATTTCTTTGGT 1

```
RESULT 2055
ABH63901/c
ID ABH63901 standard; DNA; 13 BP.
XX
XX ABH63901;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 263878 for detecting SNP TSC0063961.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 264227; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGT 955
XX |||||
XX Db 1 TGGTGTAAATGT 11
XX
XX RESULT 2057
XX ABC92840
XX ID ABC92840 standard; DNA; 13 BP.
XX
XX AC ABC92840;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 92857 for detecting SNP TSC0023219.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 92857; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTCCTTGG 917  
 DB 2 ATTTCCTTGG 12  
 RESULT 2058  
 ABC19744  
 ID ABC19744 standard; DNA; 13 BP.  
 XX ABC19744;  
 AC ABC19744;  
 XX 20-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 19761 for detecting SNP TSC0004087.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 19761; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTCCTTGG 917  
 DB 2 ATTTCCTTGG 12  
 RESULT 2059  
 ABC19745/c  
 ID ABC19745 standard; DNA; 13 BP.  
 XX ABC19745;  
 AC ABC19745;  
 XX 20-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 19762 for detecting SNP TSC0004087.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 19762; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTATATATAT 957  
 DB 2 GTTATATATAT 12  
 RESULT 2059  
 ABC19745/c  
 ID ABC19745 standard; DNA; 13 BP.  
 XX ABC19745;  
 AC ABC19745;  
 XX 20-FEB-2002 (first entry)  
 DT Oligonucleotide SEQ ID NO 19762 for detecting SNP TSC0004087.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF (EPIG-) EPIGENOMICS AG.  
 PR Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 19762; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 7 A; 1 C; 0 G; 5 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTATATATAT 957  
 DB 2 GTTATATATAT 12

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
DB 12 GTTTAATATAT 2
|||||
RESULT 2060
ABC97649/c
ID ABC46268 standard; DNA; 13 BP.
AC ABC46268;
XX
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 46285 for detecting SNP TSC0013393.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPITG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 46285; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 3 G; 4 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 3 G; 4 T; 0 U; 1 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
DB 11 TATCGCTATCA 1
|||||
RESULT 2061
ABC97649/c
ID ABC97649 standard; DNA; 13 BP.
AC ABC97649;
XX
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 97985 for detecting SNP TSC0024337.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
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XX WO200177384-A2.  
 PT 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 23969; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 1 C; 4 G; 6 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 907 ATTTCTTTGTC 919  
 DB 1 ATTTGCTTGGT 13  
 RESULT 2064  
 ABC23953/C  
 ID ABC23953 standard; DNA; 13 BP.  
 XX AC ABC23953;  
 XX 20-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 23970 for detecting SNP TSC0005553.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 23970; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

PN WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 PR (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 97985; 29pp + Sequence Listing; German.  
 PS  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 0 C; 1 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTCTTT 915  
 DB 13 TCATTTATTT 3  
 RESULT 2063  
 ABC23952  
 ID ABC23952 standard; DNA; 13 BP.  
 XX AC ABC23952;  
 XX 20-FEB-2002 (first entry)  
 DT  
 DE Oligonucleotide SEQ ID NO 23969 for detecting SNP TSC0005553.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX  
 SQ Sequence 13 BP; 6 A; 4 C; 1 G; 1 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCTTTGGTC 919  
 DB 13 ATTTGCTTGGTY 1  
 ||||| |||||  
 ||||| |||||

RESULT 2065  
 ABC0396  
 ID ABC0396 standard; DNA; 13 BP.  
 XX  
 AC ABC0396;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 50413 for detecting SNP TSC0014174.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 50413; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX  
 SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAAATGTA 956  
 DB 1 GGTTTAAATGTA 11  
 ||||| |||||  
 ||||| |||||

RESULT 2067  
 ABC01573/c  
 ID ABC01573 standard; DNA; 13 BP.  
 XX  
 AC ABC01573;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX

QY 908 TTTTCTTTGGT 918  
 DB 3 TTTTATTGGT 13  
 ||||| |||||  
 ||||| |||||

RESULT 2066  
 ABC01572  
 ID ABC01572 standard; DNA; 13 BP.  
 XX  
 AC ABC01572;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 1563 for detecting SNP TSC0000566.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 1563; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX  
 SQ Sequence 13 BP; 2 A; 0 C; 5 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAAATGTA 956  
 DB 1 GGTTTAAATGTA 11  
 ||||| |||||  
 ||||| |||||

RESULT 2067  
 ABC01573/c  
 ID ABC01573 standard; DNA; 13 BP.  
 XX  
 AC ABC01573;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX



PS Claim 1; SEQ ID NO 2891; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 920 TTGCGCTTTTA 930  
 Db 2 TTGCGCTTTTA 12  
 RESULT 2070  
 ABC54128  
 ID ABC54128 standard; DNA; 13 BP.  
 AC ABC54128;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 5415 for detecting SNP TSC0014875.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB0000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 PA (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 5415; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 903 GGTCAATTTTCTTT 915  
 Db 1 GGTAAATTTTCTTT 13  
 RESULT 2071  
 ABF04552  
 ID ABF04552 standard; DNA; 13 BP.  
 AC ABF04552;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 104549 for detecting SNP TSC0026138.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB0000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 PA (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 104549; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 1 C; 3 G; 8 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 917 GCTTTTGCTTTT 929  
 Db 1 GTTTTTCGCTTT 13



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RESULT 2072
ABF05163/C
ID ABF05163 standard; DNA; 13 BP.
XX
AC ABF05163;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 105160 for detecting SNP TSC0026342.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
(EPIG-) EPIGENOMICS AG.
XX
Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 105160; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTCTTTGG 917
DB 12 ATTTATTGG 2
||||| |||||
RESULT 2073
ABC81754
ID ABC81754 standard; DNA; 13 BP.
XX
AC ABC81754;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81771 for detecting SNP TSC0020683.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
(EPIG-) EPIGENOMICS AG.
XX
Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 81771; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTGTGCTTTG 923
DB 2 TTGTGTTTGG 12
||||| |||||
RESULT 2074
ABF09992
ID ABF09992 standard; DNA; 13 BP.
XX
AC ABF09992;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 109989 for detecting SNP TSC0027482.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
(EPIG-) EPIGENOMICS AG.
XX
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PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 109989; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Oy 940 TTCATTGGTTT 950  
Db 1 TTTATTGGTTT 11  
RESULT 2075  
ID ABF09993/c  
XX ABF09993 standard; DNA; 13 BP.  
XX AC ABF09993;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 109990 for detecting SNP TSC0027482.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPITG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 109990; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Oy 940 TTCATTGGTTT 950  
Db 13 TTTATTGGTTT 3  
RESULT 2076  
ID ABC12223/c  
XX ABC12223 standard; DNA; 13 BP.  
XX AC ABC12223;  
XX 20-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 12230 for detecting SNP TSC0002910.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 12230; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;

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Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957
DB 13 GTTTCATGTAT 3
|||||
RESULT 2077
ABC86605/c
ID ABC86605 standard; DNA; 13 BP.
XX
AC ABC86605;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 86622 for detecting SNP TSC0021768.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 86622; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTTTAATGTATC 958
DB 13 GGTTTAAGGATY 1
|||||
RESULT 2078
ABC62350/c
ID ABC62350 standard; DNA; 13 BP.
XX
AC ABC62350;

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XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62367 for detecting SNP TSC0016537.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 62367; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 8 G; 0 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
DB 12 CCTCTCTCTTC 2
|||||
RESULT 2079
ABC62944
ID ABC62944 standard; DNA; 13 BP.
XX
AC ABC62944;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 62961 for detecting SNP TSC0016655.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX

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PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 62961; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 940 TTCTATGGTTT 950  
 DB 2 TTTATGGTTT 12  
 ||| |||||  
 RESULT 2080  
 ABC88230  
 ID ABC88230 standard; DNA; 13 BP.  
 XX  
 XX ABC88230;  
 XX  
 XX 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 88247 for detecting SNP TSC0022172.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 88247; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTATGATGAT 957  
 DB 1 GTTATGATGAT 11  
 ||| |||||  
 RESULT 2081  
 ABC39898/c  
 ID ABC39898 standard; DNA; 13 BP.  
 XX  
 XX ABC39898;  
 XX  
 XX 20-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 39915 for detecting SNP TSC0012171.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 39915; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 930 ATCCCTCTCTCT 940

Db 11 ATCCATCTCTCT 1

RESULT 2082

ABF24038  
 ID ABF24038 standard; DNA; 13 BP.

XX AC ABF24038;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 124035 for detecting SNP TSC0031015.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 124035; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 909 TTTCTTTGGTCTT 921

|||||

Db 1 TTTGTTTGGTTT 13

RESULT 2083

ABF34394/C  
 ID ABF34394 standard; DNA; 13 BP.

XX AC ABF34394;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 134391 for detecting SNP TSC0033498.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX DR WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 134391; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 921 TTGCCTTTTAT 931

|||||

11 TTTCCTTTAT 1

RESULT 2084

ABF43100  
 ID ABF43100 standard; DNA; 13 BP.

XX AC ABF43100;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 143037 for detecting SNP TSC0035891.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
Homo sapiens.  
WO200177384-A2.  
18-OCT-2001.  
06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.  
(EPIG-) EPIGENOMICS AG.  
Olek A, Piepenbrock C, Berlin K;  
WPI; 2001-657177/75.  
Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
Claim 1; SEQ ID NO 143097; 29pp + Sequence Listing; German.  
This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI92073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences  
Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTGGTCTTTG 923  
DB 1 TTGGTGTGTTG 11  
RESULT 2085  
ABF93667/C  
ID ABF93667 standard; DNA; 13 BP.  
XX  
AC ABF93667;  
XX  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 193664 for detecting SNP TSC0047644.  
XX  
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
Homo sapiens.  
WO200177384-A2.  
18-OCT-2001.  
06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.

(EPIG-) EPIGENOMICS AG.  
Olek A, Piepenbrock C, Berlin K;  
WPI; 2001-657177/75.  
Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
Claim 1; SEQ ID NO 193664; 29pp + Sequence Listing; German.  
This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI92073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences  
Sequence 13 BP; 7 A; 2 C; 1 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 920 TTGGCCTTTTA 930  
DB 12 TTGGCCTTTTA 2  
RESULT 2086  
ABF69696  
ID ABF69696 standard; DNA; 13 BP.  
XX  
AC ABF69696;  
XX  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 169693 for detecting SNP TSC004777.  
XX  
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
Homo sapiens.  
WO200177384-A2.  
18-OCT-2001.  
06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.  
(EPIG-) EPIGENOMICS AG.  
Olek A, Piepenbrock C, Berlin K;  
WPI; 2001-657177/75.  
Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
Claim 1; SEQ ID NO 169693; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 2 A; 0 C; 6 G; 5 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 945 TGGTTTAATGT 955  
 Db 3 TGGTTGAATGT 13

RESULT 2087  
 ABF97821  
 ID ABF97821 standard; DNA; 13 BP.  
 XX  
 AC ABF97821;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 197818 for detecting SNP TSC0048685.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 197818; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGTATCCA 965  
 Db 3 TATCGATACCA 13

RESULT 2088  
 ABF98719  
 ID ABF98719 standard; DNA; 13 BP.  
 XX  
 AC ABF98719;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 198716 for detecting SNP TSC0048898.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 198716; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935  
 Db 1 CTTCTATCCCT 11

RESULT 2089  
 ABF99133/c

ID ABF99133 standard; DNA; 13 BP.  
 AC ABF99133;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 199130 for detecting SNP TSC0049008.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 199130; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 8 A; 3 C; 1 G; 1 T; 0 U; 0 Other;  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 SQ  
 QY 907 ATTTCCTTTGG 917  
 DB 11 ATTTTCTTTGG 1  
 RESULT 2090  
 ABF49158  
 ID ABF49158 standard; DNA; 13 BP.  
 XX  
 AC ABF49158;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 149155 for detecting SNP TSC0037626.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX

XX WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 149155; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
 PS  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 SQ  
 QY 947 GTTAAATGAT 957  
 DB 2 GGTAAATGAT 12  
 RESULT 2091  
 ABF49159/C  
 ID ABF49159 standard; DNA; 13 BP.  
 XX  
 AC ABF49159;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 149156 for detecting SNP TSC0037626.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX



DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 149156; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGAT 957  
Db 12 GGTAAATGAT 2  
RESULT 2092  
ABH02911/c  
ID ABH02911 standard; DNA; 13 BP.  
XX  
XX ABH02911;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 202888 for detecting SNP TSC0008365.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 202888; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAAAT 953  
Db 13 ATTGGTTTAAAT 3  
RESULT 2093  
ABH03167/c  
ID ABH03167 standard; DNA; 13 BP.  
XX  
XX ABH03167;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 203144 for detecting SNP TSC0049888.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 203144; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;



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PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 205295; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
DB 2 ATTGGTTTAAT 12
|||||
RESULT 2097
ABF84334
ID ABF84334 standard; DNA; 13 BP.
XX
AC ABF84334;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 184331 for detecting SNP TSC0045489.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Oligonucleotide SEQ ID NO 184331 for detecting SNP TSC0045489.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 205295; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 920 TTTCGCTTTTA 930
DB 3 TTTCGCTTTTA 13
|||||
RESULT 2098
ABF86653
ID ABF86653 standard; DNA; 13 BP.
XX
AC ABF86653;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 186650 for detecting SNP TSC0045992.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 186650; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
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CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939

DB 3 TCTCCCTCCTC 13

RESULT 2099

ABH38408

ID ABH38408 standard; DNA; 13 BP.

XX AC ABH38408;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 238385 for detecting SNP TSC0058142.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 238385; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTATATGTAT 957

DB 1 GTTATATGTAT 11

RESULT 2100

ABH13480

ID ABH13480 standard; DNA; 13 BP.

XX AC ABH13480;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 213457 for detecting SNP TSC0051980.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

DR Set of oligonucleotides, useful for diagnosis and cell typing, is

XX designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 213457; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 0 A; 0 C; 4 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGTGCTTTTG 923

DB 2 TTGTGCTTTTG 12

RESULT 2101

ABH48201/C

ID ABH48201 standard; DNA; 13 BP.

XX AC ABH48201;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 248178 for detecting SNP TSC0060647.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 PF 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 248178; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTAAATGAT 957  
 DB 12 GTTAAATGAAT 2  
 RESULT 2102  
 ABH49253/C  
 ID ABH49253 standard; DNA; 13 BP.  
 XX AC ABH49253;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 249230 for detecting SNP TSC0060878.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 249230; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 13 BP; 6 A; 2 C; 1 G; 4 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 952 ATGTATCGCTA 962  
 DB 13 ATGTATCGTTA 3  
 RESULT 2103  
 ABH49876  
 ID ABH49876 standard; DNA; 13 BP.  
 XX AC ABH49876;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 249853 for detecting SNP TSC0061035.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 249853; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligonucleotides are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922  
 DB 1 TTATTGGTGTTY 13

RESULT 2104

ABH49877/c  
 ID ABH49877 standard; DNA; 13 BP.

XX AC ABH49877;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 249854 for detecting SNP TSC0061035.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 249854; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922  
 DB 13 TTATTGGTGTTY 1

RESULT 2105

ABH56779  
 ID ABH56779 standard; DNA; 13 BP.

XX AC ABH56779;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 256756 for detecting SNP TSC0062519.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 256756; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 5 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937  
 DB 2 TTTATCCCTTC 12

RESULT 2106

ABC96214  
 ID ABC96214 standard; DNA; 13 BP.

XX

```
AC ABC96214;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 96231 for detecting SNP TSC0023919.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 96231; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 909 TTTCTTTGGTC 919
XX 1 TTTGTTTGGTC 11
XX
XX RESULT 2107
XX ABC21548/C
XX ID ABC21548 standard; DNA; 13 BP.
XX
XX AC ABC21548;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 21565 for detecting SNP TSC0004330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 96231; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 909 TTTCTTTGGTC 919
XX 1 TTTGTTTGGTC 11
XX
XX RESULT 2107
XX ABC21548/C
XX ID ABC21548 standard; DNA; 13 BP.
XX
XX AC ABC21548;
XX
XX 20-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 21565 for detecting SNP TSC0004330.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 21565; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 5 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 912 CTTTGGTCCTTT 922
XX 12 CTTTGGTCCTTT 2
XX
XX RESULT 2108
XX ABC75195
XX ID ABC75195 standard; DNA; 13 BP.
XX
XX AC ABC75195;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 75212 for detecting SNP TSC0019305.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 75212; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935

Db 3 CTTTTCCT 13

RESULT 2109

ABC76824  
 ID ABC76824 standard; DNA; 13 BP.

XX ABC76824;

AC ABC76824;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 76841 for detecting SNP TSC0019632.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 76841; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917

Db 1 ATTTCTTTGG 11

RESULT 2110

ABC02656  
 ID ABC02656 standard; DNA; 13 BP.

XX ABC02656;

XX 20-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 2647 for detecting SNP TSC0001058.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 2647; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTATGTTAT 957



```
Db      2 GTTTATGTAT 12
|||||
RESULT 2111
ABC02657/C
ID ABC02657 standard; DNA; 13 BP.
XX
AC ABC02657;
XX
DT 20-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 2648 for detecting SNP TSC0001058.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DE Oligonucleotide SEQ ID NO 2648 for detecting SNP TSC0001058.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 2648; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTATGTAT 957
|||||
Db 12 GTTTATGTAT 2
RESULT 2112
ABC52856
ID ABC52856 standard; DNA; 13 BP.
XX
AC ABC52856;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 52873 for detecting SNP TSC0014630.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 2648; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 947 GTTTATGTAT 957
|||||
Db 12 GTTTATGTAT 2
RESULT 2112
ABC52856
ID ABC52856 standard; DNA; 13 BP.
XX
AC ABC52856;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 52873 for detecting SNP TSC0014630.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
(EPIG-) EPIGENOMICS AG.
Olek A, Piepenbrock C, Berlin K;
WPI; 2001-657177/75.
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
Claim 1; SEQ ID NO 52873; 29pp + Sequence Listing; German.
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 902 TGGTCATTTTCTT 914
|||||
Db 1 TGGTCATTTTCTT 13
RESULT 2113
ABF03498/C
ID ABF03498 standard; DNA; 13 BP.
XX
AC ABF03498;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 103495 for detecting SNP TSC0025892.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
central nervous system; gastrointestinal; respiratory; immune; metabolic.
Homo sapiens.
WO200177384-A2.
18-OCT-2001.
06-APR-2001; 2001WO-IB000713.
```

XX 07-APR-2000; 2000DE-01019173.  
CC (EPIG-) EPIGENOMICS AG.  
CC Olek A, Piepenbrock C, Berlin K;  
CC WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 103495; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 960 CTACCAACGGT 970  
DB 11 CTACCAACGGT 1  
|||||  
|||

RESULT 2114  
ABF03834 ID ABF03834 standard; DNA; 13 BP.  
XX AC ABF03834;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 103831 for detecting SNP TSC0025972.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 103831; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
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XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 960 CTACCAACGGT 970  
DB 11 CTACCAACGGT 1  
|||||  
|||

RESULT 2115  
ABF08289/c ID ABF08289 standard; DNA; 13 BP.  
XX AC ABF08289;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 909 TTTCTTTTGTC 919  
DB 1 TTTTTTGTGC 11  
|||||  
|||

RESULT 2115  
ABF08289/c ID ABF08289 standard; DNA; 13 BP.  
XX AC ABF08289;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
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XX methylation status.  
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.

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XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
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XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 909 TTTCTTTTGTC 919  
DB 1 TTTTTTGTGC 11  
|||||  
|||

RESULT 2115  
ABF08289/c ID ABF08289 standard; DNA; 13 BP.  
XX AC ABF08289;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
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XX Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 909 TTTCTTTTGTC 919  
DB 1 TTTTTTGTGC 11  
|||||  
|||

RESULT 2115  
ABF08289/c ID ABF08289 standard; DNA; 13 BP.  
XX AC ABF08289;  
XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 108286 for detecting SNP TSC0027111.  
DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
PR (EPIG-) EPIGENOMICS AG.  
PA Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 108286; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chem

XX SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 908 TTTCTTTGGT 918  
Db 12 TTTCTTTGGT 2  
RESULT 2116  
ABF09127/C  
ID ABF09127 standard; DNA; 13 BP.  
XX AC ABF09127;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 109124 for detecting SNP TSC0027313.  
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 109124; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 943 ATGGTTTAAAT 953  
Db 13 ATAGGTTTAAAT 3  
RESULT 2117

ABF11072  
ID ABF11072 standard; DNA; 13 BP.  
XX AC ABF11072;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 111069 for detecting SNP TSC0027729.  
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 111069; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 5 A; 0 C; 4 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 946 GGTTTAAATGA 956  
Db 1 GGTTTAAATGA 11  
RESULT 2118  
ABC16198  
ID ABC16198 standard; DNA; 13 BP.  
XX AC ABC16198;  
XX DT 20-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 16205 for detecting SNP TSC0003545.  
XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

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OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 16205; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 907 ATTTCCTTGG 917
DB 2 ATTTTCTTGG 12
RESULT 2119
ABC65326
ID ABC65326 standard; DNA; 13 BP.
XX AC ABC65326;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 65343 for detecting SNP TSC0017207.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
PI This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences

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XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 65343; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGCTTTA 951
DB 1 TTATTGCTTTA 11
RESULT 2120
ABF19667/C
ID ABF19667 standard; DNA; 13 BP.
XX AC ABF19667;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 119664 for detecting SNP TSC0029865.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 119664; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 907 ATTTCCTTGG 917

Db 12 ATTTCGTTGG 2

RESULT 2121

ABF22976

ID ABF22976 standard; DNA; 13 BP.

XX AC ABF22976;

XX DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 122973 for detecting SNP TSC0030741.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 122973; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX

SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 947 GTTTAATGTAT 957  
|||||  
Db 1 GTTTAATGTT 11

RESULT 2122

ABF23069/c

ID ABF23069 standard; DNA; 13 BP.

XX AC ABF23069;

XX DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 123066 for detecting SNP TSC0030769.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

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PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 123066; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX

SQ Sequence 13 BP; 7 A; 4 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 944 TTGTTTAATG 954

|||||  
Db 11 TTGTTGAATG 1

RESULT 2123

ABF25014/c

ID ABF25014 standard; DNA; 13 BP.

XX AC ABF25014;

DT 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 125011 for detecting SNP TSC0031240.  
 XX SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 125011; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 CC Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 905 TCATTTCCTT 915  
 DB 13 TCATTTCCTT 3  
 XX  
 RESULT 2124  
 ABF27233/C  
 ID ABF27233 standard; DNA; 13 BP.  
 XX  
 AC ABF27233;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 127230 for detecting SNP TSC0031843.  
 XX  
 KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 127230; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 5 A; 4 C; 1 G; 3 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 CC Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 CC Mismatches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 942 CATTGCTTTAA 952  
 DB 12 CGTTGCTTTAA 2  
 XX  
 RESULT 2125  
 ABF34395  
 ID ABF34395 standard; DNA; 13 BP.  
 XX  
 AC ABF34395;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 134392 for detecting SNP TSC0033498.  
 XX  
 KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT

PT methylation status.  
XX Claim 1; SEQ ID NO 134392; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 3 C; 0 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 921 TTGCTTTTAT 931  
Db 3 TTTCCTTTTAT 13  
  
RESULT 2126  
ABF36953/c  
ID ABF36953 standard; DNA; 13 BP.  
XX  
XX ABF36953;  
AC  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 136950 for detecting SNP TSC0034226.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIC-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 136950; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTAAATGTTAT 957  
Db 12 GTTAGTGTAT 2  
  
RESULT 2127  
ABF72081  
ID ABF72081 standard; DNA; 13 BP.  
XX  
XX ABF72081;  
AC  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 172078 for detecting SNP TSC0005766.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIC-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 172078; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 3 C; 0 G; 9 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 921 TTGCTTTTAT 931  
Db 2 TTTCCTTTTAT 12

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RESULT 2128
ABF97140
ID ABF97140 standard; DNA; 13 BP.
XX
AC ABF97140;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197137 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197137 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
FR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 197137; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 0 C; 5 G; 5 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAATG 954
DB 2 TTGGTGAATG 12
XX
RESULT 2129
ABF97141/C
ID ABF97141 standard; DNA; 13 BP.
XX
AC ABF97141;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197138 for detecting SNP TSC0048522.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
FR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 197138; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
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XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAATG 954
DB 2 TTGGTGAATG 12
XX
RESULT 2130
ABF73553
ID ABF73553 standard; DNA; 13 BP.
XX
AC ABF73553;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173550 for detecting SNP TSC0006326.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
FR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 197138; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 5 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 944 TTGGTTTAATG 954
DB 12 TTGGTGAATG 2
XX
RESULT 2130
ABF73553
ID ABF73553 standard; DNA; 13 BP.
XX
AC ABF73553;
XX
XX 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 173550 for detecting SNP TSC0006326.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
PD 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX

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PA (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 173550; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 934 CTCCTCTTCAT 944  
 DB 2 CTCCTCTTCAT 12  
 RESULT 2131  
 ID ABH01943 standard; DNA; 13 BP.  
 XX AC ABH01943;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 201920 for detecting SNP TSC0049639.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 201920; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 934 CTCCTCTTCAT 944  
 DB 2 CTCCTCTTCAT 12  
 RESULT 2131  
 ID ABH01943 standard; DNA; 13 BP.  
 XX AC ABH01943;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 201920 for detecting SNP TSC0049639.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 201920; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 5 A; 1 C; 0 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. NO. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 948 TTTAATGATATC 958  
 DB 1 TTTAATGATATC 11  
 RESULT 2132  
 ID ABH01944/C  
 XX AC ABH01944;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 201921 for detecting SNP TSC0049639.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
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 PT methylation status.  
 XX Claim 1; SEQ ID NO 201921; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
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 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
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 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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 XX Sequence 13 BP; 7 A; 0 C; 2 G; 4 T; 0 U; 0 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGTCATC 958
DB 13 TTTAATGTCATC 3

RESULT 2133
ABF77492
ID ABF77492 standard; DNA; 13 BP.
XX AC ABF77492;
XX AC ABF77492;
DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 177489 for detecting SNP TSC0044012.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 177489; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
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XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTGTGT 918
DB 3 TTTTCTTGTGT 13

RESULT 2134
ABH28110
ID ABH28110 standard; DNA; 13 BP.

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XX AC ABH28110;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 228087 for detecting SNP TSC0055622.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 228087; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953
DB 3 ATGGGTTTAAAT 13

RESULT 2135
ABH03166
ID ABH03166 standard; DNA; 13 BP.
XX AC ABH03166;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 203143 for detecting SNP TSC0049888.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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PN WO200177384-A2.  
XX  
XX  
PD 18-OCT-2001.  
XX  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 203143; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 940 TTCATTGTTT 950  
DB 1 TTCATTGTTT 11  
RESULT 2136  
ABF79263/C  
ID ABF79263 standard; DNA; 13 BP.  
XX  
AC ABF79263;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 179260 for detecting SNP TSC0044381.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 205980; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 940 TTCATTGTTT 950  
DB 1 TTCATTGTTT 11  
RESULT 2137  
ABH06003/C  
ID ABH06003 standard; DNA; 13 BP.  
XX  
AC ABH06003;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 205980 for detecting SNP TSC0050473.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 205980; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 941 TCATTGTTT 951  
DB 12 TCATTGTTT 2

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Mon Oct 18 14:40:13 2004

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 4 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 949 TTAATGATTCG 959  
 DB 12 TTAATGATTCG 2

RESULT 2138  
 ABF82588  
 ID ABF82588 standard; DNA; 13 BP.  
 AC ABF82588;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 182585 for detecting SNP TSC0045131.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 182585; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 907 ATTTCCTTGG 917  
 DB 1 ATTTCCTTGG 11

RESULT 2139  
 ABH32808/c  
 ID ABH32808 standard; DNA; 13 BP.  
 XX  
 AC ABH32808;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 232785 for detecting SNP TSC0056790.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 232785; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 0 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 924 CCTTTATATCC 934  
 DB 12 CCTTTATATCC 2

RESULT 2140  
 ABF58981  
 ID ABF58981 standard; DNA; 13 BP.  
 XX  
 AC ABF58981;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX

DE Oligonucleotide SEQ ID NO 158978 for detecting SNP TSC0040030.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 158978; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 1 A; 6 C; 0 G; 6 T; 0 U; 0 Other;  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 931 TCCCTCCCTCTT 941  
Db 1 TCTCTCCCTCTT 11  
RESULT 2141  
ABF63910  
ID ABF63910 standard; DNA; 13 BP.  
XX AC ABF63910;  
XX 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 163907 for detecting SNP TSC0041159.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 163907; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGTTTAAAT 953  
Db 3 ATTGTTTAAAT 13  
RESULT 2142  
ABH41303/C  
ID ABH41303 standard; DNA; 13 BP.  
XX AC ABH41303;  
XX 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 241280 for detecting SNP TSC0058852.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX

```

PS Claim 1; SEQ ID NO 241280; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 11 GGATTAAATGTA 1

RESULT 2143
ABH42158/c
ID ABH42158 standard; DNA; 13 BP.
XX
AC ABH42158;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 242135 for detecting SNP TSC0059061.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 242135; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 11 GGATTAAATGTA 1

RESULT 2144
ABH17225/c
ID ABH17225 standard; DNA; 13 BP.
XX
AC ABH17225;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 217202 for detecting SNP TSC0052794.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 217202; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956
DB 13 GGTTTATGTA 3

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XX	OS	ABH53442	ABH53442 standard; DNA; 13 BP.	XX	OS	Homo sapiens.	
XX	PN	AC	ABH53442;	XX	PN	WO200177384-A2.	
XX	AC	AC	ABH53442;	XX	AC	18-OCT-2001.	
XX	DT	XX	22-FEB-2002 (first entry)	XX	DT	06-APR-2001; 2001WO-IB0000713.	
XX	DE	XX	Oligonucleotide SEQ ID NO 253419 for detecting SNP TSC0061816.	XX	DE	07-APR-2000; 2000DE-01019173.	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	(EPiG-) EPIGENOMICS AG.	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	Olek A, Piepenbrock C, Berlin K;	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	WPI; 2001-657177/75.	
XX	OS	XX	Homo sapiens.	XX	OS	Set of oligonucleotides, useful for diagnosis and cell typing, is	
XX	XX	XX	WO200177384-A2.	XX	XX	designed to detect single-nucleotide polymorphisms and cytosine	
XX	PN	XX	18-OCT-2001.	XX	PN	methylation status.	
XX	PD	XX	06-APR-2001; 2001WO-IB0000713.	XX	PD	Claim 1; SEQ ID NO 257668; 29pp + Sequence Listing; German.	
XX	PF	XX	07-APR-2000; 2000DE-01019173.	XX	PF	This invention describes novel oligonucleotide primers or peptide nucleic	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	and cytosine methylation status in chemically pretreated genomic DNA. The	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
XX	OS	XX	Homo sapiens.	XX	OS	range of diseases including immune system, gastrointestinal, respiratory,	
XX	XX	XX	WO200177384-A2.	XX	XX	central nervous system, cardiovascular and metabolic disorders. The	
XX	PN	XX	18-OCT-2001.	XX	PN	oligonucleotides are also used for detecting cell type differentiation. ABC000010	
XX	PD	XX	06-APR-2001; 2001WO-IB0000713.	XX	PD	-ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
XX	PF	XX	07-APR-2000; 2000DE-01019173.	XX	PF	represent the oligomers described in the invention. NOTE: The sequence	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	data for this patent did not form part of the printed specification, but	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	was obtained in electronic format from WIPO at	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	ftp.wipo.int/pub/published_pct_sequences	
XX	OS	XX	Homo sapiens.	XX	OS	Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;	
XX	XX	XX	WO200177384-A2.	XX	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;	
XX	PN	XX	18-OCT-2001.	XX	PN	Best Local Similarity 76.9%; Pred. No. 1.3e+03;	
XX	PD	XX	06-APR-2001; 2001WO-IB0000713.	XX	PD	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PF	XX	07-APR-2000; 2000DE-01019173.	XX	PF	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	OS	XX	Homo sapiens.	XX	OS	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	XX	XX	WO200177384-A2.	XX	XX	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PN	XX	18-OCT-2001.	XX	PN	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PD	XX	06-APR-2001; 2001WO-IB0000713.	XX	PD	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PF	XX	07-APR-2000; 2000DE-01019173.	XX	PF	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	OS	XX	Homo sapiens.	XX	OS	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	XX	XX	WO200177384-A2.	XX	XX	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PN	XX	18-OCT-2001.	XX	PN	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PD	XX	06-APR-2001; 2001WO-IB0000713.	XX	PD	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	PF	XX	07-APR-2000; 2000DE-01019173.	XX	PF	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	XX	XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	XX	XX	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
XX	KW	XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	XX	KW	Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	

PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 93490; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 946 GGTTAATGATATC 958  
 DB 13 GGTTCGTTATY 1  
 RESULT 2148  
 ABC95532  
 ID ABC95532 standard; DNA; 13 BP.  
 XX  
 AC ABC95532;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 95549 for detecting SNP TSC0023777.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 95549; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 1 A; 1 C; 2 G; 8 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 920 TTGCTTTTATC 932  
 DB 1 TTGTCGTTATY 13  
 RESULT 2149  
 ABC97185/C  
 ID ABC97185 standard; DNA; 13 BP.  
 XX  
 AC ABC97185;  
 XX  
 DT 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 97202 for detecting SNP TSC0024109.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 97202; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 8 A; 2 C; 1 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;



XX	20-FEB-2002	(first entry)
DT		
XX		
DE	Oligonucleotide SEQ ID NO 2853 for detecting SNP TSC0001123.	
DE		
XX		
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
WO	WO200177384-A2.	
PN		
XX		
PD	18-OCT-2001.	
XX		
PP	06-APR-2001; 2001WO-IB000713.	
XX		
PR	07-APR-2000; 2000DE-01019173.	
XX		
PA	(EPIG-) EPIGENOMICS AG.	
XX		
PI	Olek A, Piepenbrock C, Berlin K;	
XX		
DR	WPI; 2001-657177/75.	
XX		
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is	
PT	designed to detect single-nucleotide polymorphisms and cytosine	
PT	methylation status.	
XX		
XX	Claim 1; SEQ ID NO 2853; 29pp + Sequence Listing; German.	
XX		
CC	This invention describes novel oligonucleotide primers or peptide nucleic	
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligomers are also used for detecting cell type differentiation. ABC00010	
CC	-ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the printed specification, but	
CC	was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX		
XX	Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;	
XX		
Query Match	12.9%; Score 9.4; DB 1; Length 13;	
Best Local Similarity	76.9%; Pred. No. 1.3e+03;	
Matches	10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	
QY	945 TGGTTTAATGTAAT 957	
	:	
Db	1 TGGTTTAATGGAY 13	
RESULT 2152		
ABC27564/c		
ID	ABC27564 standard; DNA; 13 BP.	
XX		
AC	ABC27564;	
XX		
DT	20-FEB-2002 (first entry)	
XX		
DE	Oligonucleotide SEQ ID NO 27581 for detecting SNP TSC0007684.	
XX		
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
PN	WO200177384-A2.	
XX		

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PD 18-OCT-2001.
XX
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
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PR 07-APR-2000; 2000DE-01019173.
XX
XX
PA (EPIC-) EPIGENOMICS AG.
XX
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX
DR WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 27581; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 920 TTGCGCTTTTA 930
Db 12 TTACCTTTTA 2

RESULT 2153
ABC28611/C
ID ABC28611 standard; DNA; 13 BP.
XX
XX AC ABC28611;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 28628 for detecting SNP TSC0008250.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIC-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 29165; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 1 G; 3 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 941 TCATTGCTTTAAAT 953
Db 13 TTATTCGTTTAAAY 1

RESULT 2154
ABC29148
ID ABC29148 standard; DNA; 13 BP.
XX
XX AC ABC29148;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 29165 for detecting SNP TSC0008537.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIC-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 29165; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 1 C; 1 G; 3 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 941 TCATTGCTTTAAAT 953
Db 13 TTATTCGTTTAAAY 1

```

CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAAT 953  
||| |||||  
DB 2 ATTAGTTTAAAT 12

RESULT 2155  
ABC79370  
ID ABC79370 standard; DNA; 13 BP.  
XX AC ABC79370;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 79387 for detecting SNP TSC0020177.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 79387; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 0 A; 0 C; 5 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923  
||||| |||||

Db 3 TTGGTTTTTG 13

RESULT 2156  
ABC54364  
ID ABC54364 standard; DNA; 13 BP.  
XX AC ABC54364;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 54381 for detecting SNP TSC0014918.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 54381; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 0 A; 0 C; 5 G; 7 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923  
||||| |||||  
DB 1 TTGGTCTTTG 11

RESULT 2157  
ABC54911/C  
ID ABC54911 standard; DNA; 13 BP.  
XX AC ABC54911;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 54928 for detecting SNP TSC0015043.  
XX

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 54928; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 10 A; 1 C; 0 G; 1 T; 0 U; 1 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 907 ATTTCCTTTGGTC 919  
 DB 13 ATTTTITTTGY 1  
 RESULT 2158  
 ABF05162  
 ID ABF05162 standard; DNA; 13 BP.  
 XX AC ABF05162;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 105159 for detecting SNP TSC0026342.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX Central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 105159; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTCCTTTGG 917  
 DB 2 ATTTTATTTGG 12  
 RESULT 2159  
 ABC83283  
 ID ABC83283 standard; DNA; 13 BP.  
 XX AC ABC83283;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 83300 for detecting SNP TSC0020996.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX Peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX Central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB0000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 83300; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCTCTTCATT 945  
Db 2 TCTCTTCATT 12

RESULT 2160  
ABF09664/C  
ID ABF09664 standard; DNA; 13 BP.  
XX AC ABF09664;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 109661 for detecting SNP TSC0027429.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX PS Claim 1; SEQ ID NO 109661; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCATT 944  
Db 13 CTCCTCTTCATT 3

RESULT 2161  
ABC11859/C  
ID ABC11859 standard; DNA; 13 BP.  
XX AC ABC11859;  
XX DT 20-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 11866 for detecting SNP TSC0002853.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX PS Claim 1; SEQ ID NO 11866; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 10 A; 2 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
Db 11 TTTTATTGGT 1

RESULT 2162  
ABC62351



DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 90623; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 11 A; 0 C; 2 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 905 TCATTTTCTTT 915  
Db 11 TCTTTTCTTT 1  
|||  
RESULT 2165  
ABF17078  
ID ABF17078 standard; DNA; 13 BP.  
XX  
AC ABF17078;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 117075 for detecting SNP TSC0029300.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 117075; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 11 A; 0 C; 2 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 905 TCATTTTCTTT 915  
Db 11 TCTTTTCTTT 1  
|||  
RESULT 2165  
ABF17078  
ID ABF17078 standard; DNA; 13 BP.  
XX  
AC ABF17078;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 117075 for detecting SNP TSC0029300.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 117075; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 11 A; 0 C; 2 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 913 TTTGGTCTTTG 923  
Db 2 TTTGGTCTTTG 12  
|||  
RESULT 2166  
ABF19570/C  
ID ABF19570 standard; DNA; 13 BP.  
XX  
AC ABF19570;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 119567 for detecting SNP TSC0029845.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 119567; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;





100

CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956  
DB 1 GATTTAATGTA 11

RESULT 2172  
ID ABF43154  
XX ABF43154 standard; DNA; 13 BP.  
XX AC ABF43154;  
XX ABF43154;

XX 21-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 143151 for detecting SNP TSC0035906.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 143151; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917

DB 3 ATTTTITGG 13

RESULT 2173  
ABH18958/c  
ID ABH18958 standard; DNA; 13 BP.

XX ABH18958;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 218935 for detecting SNP TSC0053255.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 218935; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCCTCCT 938

DB 11 TTCTCCCTCCT 1

RESULT 2174  
ABF69350  
ID ABF69350 standard; DNA; 13 BP.

XX ABF69350;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 169347 for detecting SNP TSC0042311.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 169347; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTTCTTTGGT 918  
Db 1 TTTTCTTTGGT 11  
RESULT 2175  
ABF71266  
ID ABF71266 standard; DNA; 13 BP.  
XX  
XX AC ABF71266;  
XX  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 171263 for detecting SNP TSC0042699.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 171263; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTTAATGAT 957  
Db 1 GTTTAATGAT 11  
RESULT 2176  
ABH23858  
ID ABH23858 standard; DNA; 13 BP.  
XX  
XX AC ABH23858;  
XX  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 223835 for detecting SNP TSC0054505.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 223835; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 952 ATGTATCGCTA 962  
 Db 1 ATGTATCGTTA 11

## RESULT 2177

ABF99132  
 ID ABF99132 standard; DNA; 13 BP.

AC ABF99132;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 199129 for detecting SNP TSC0049008.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 199129; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 1 A; 1 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCTTTGG 917  
 Db 3 ATTTCTTTGG 13

## RESULT 2178

ABF75594  
 ID ABF75594 standard; DNA; 13 BP.

XX AC ABF75594;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 175591 for detecting SNP TSC0004550.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 175591; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
 Db 2 TTTTCTTTGGT 12

## RESULT 2179

ABH01942/c  
 ID ABH01942 standard; DNA; 13 BP.

XX

```
AC ABH01942;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 201919 for detecting SNP TSC0049639.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 202021; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 948 TTTAATGATC 958
XX 13 TTTAATATATC 3
XX
XX RESULT 2180
XX ABH02044/C
XX ID ABH02044 standard; DNA; 13 BP.
XX
XX AC ABH02044;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 202021 for detecting SNP TSC0049666.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 201919; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 948 TTTAATGATC 958
XX 13 TTTAATATATC 3
XX
XX RESULT 2180
XX ABH02044/C
XX ID ABH02044 standard; DNA; 13 BP.
XX
XX AC ABH02044;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 202021 for detecting SNP TSC0049666.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 202021; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX 948 TTTAATGATC 958
XX 11 TTTAATCTATC 1
XX
XX RESULT 2181
XX ABF79262
XX ID ABF79262 standard; DNA; 13 BP.
XX
XX AC ABF79262;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 179259 for detecting SNP TSC0044381.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
```

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 179259; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTA 951

Db 2 TCATTGGTTA 12

RESULT 2182

ABF54515  
 ID ABF54515 standard; DNA; 13 BP.

XX AC ABF54515;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 154512 for detecting SNP TSC0039046.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 154512; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 3 TATCGCTACTA 13

RESULT 2183

ABF80120  
 ID ABF80120 standard; DNA; 13 BP.

XX AC ABF80120;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 180117 for detecting SNP TSC0044592.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 180117; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTA 951

```
Db      3 TAAATGGTTT 13
|||||||
RESULT 2184
ABF84017
ID ABF84017 standard; DNA; 13 BP.
XX
XX AC ABF84017;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 184014 for detecting SNP TSC0045426.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 184014; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 4 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTCTTT 915
|||||||
XX DB 2 TCATTTTATT 12
|||||||
XX
XX RESULT 2185
XX ABF84447/c
XX ID ABF84447 standard; DNA; 13 BP.
XX
XX XX AC ABF84447;
XX
XX XX DT 22-FEB-2002 (first entry)
XX
XX XX DE Oligonucleotide SEQ ID NO 184444 for detecting SNP TSC0045517.
XX
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```
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 184444; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 940 TTCATTGGTTT 950
|||||||
XX DB 12 TTATTGGTTT 2
|||||||
XX
XX RESULT 2186
XX ABH11656
XX ID ABH11656 standard; DNA; 13 BP.
XX
XX XX AC ABH11656;
XX
XX XX DT 22-FEB-2002 (first entry)
XX
XX XX DE Oligonucleotide SEQ ID NO 211633 for detecting SNP TSC0051609.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
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PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
PPI	WPI; 2001-657177/75.
DR	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 211633; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
SQ	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	943 ATTGCTTTAAT 953            1 ATTTGTTTAAAT 11
DB	
RESULT 2187	
ID	ABH36777 standard; DNA; 13 BP.
XX	ABH36777;
AC	
DT	22-FEB-2002 (first entry)
XX	Oligonucleotide SEQ ID NO 236754 for detecting SNP TSC0057775.
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW	Homo sapiens.
OS	
PN	WO200177384-A2.
FN	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
PPI	WPI; 2001-657177/75.
DR	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SFO ID NO 236754; 29pp + Sequence Listing; German.

XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 1 A; 2 C; 0 G; 10 T; 0 U; 0 Other;
SQ	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	905 TCATTTCCTTT 915            1 TTATTTCCTTT 11
DB	
RESULT 2188	
ID	ABF89074 standard; DNA; 13 BP.
XX	ABF89074;
AC	
DT	22-FEB-2002 (first entry)
XX	Oligonucleotide SEQ ID NO 189071 for detecting SNP TSC006744.
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW	Homo sapiens.
OS	
PN	WO200177384-A2.
FN	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
PPI	WPI; 2001-657177/75.
DR	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 189071; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 1 Other;
SQ	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	943 ATTGCTTTAAT 953            1 ATTTGTTTAAAT 11
DB	
RESULT 2187	
ID	ABH36777 standard; DNA; 13 BP.
XX	ABH36777;
AC	
DT	22-FEB-2002 (first entry)
XX	Oligonucleotide SEQ ID NO 236754 for detecting SNP TSC0057775.
DE	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
KW	Homo sapiens.
OS	
PN	WO200177384-A2.
FN	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
PA	Olek A, Piepenbrock C, Berlin K;
PPI	WPI; 2001-657177/75.
DR	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SFO ID NO 236754; 29pp + Sequence Listing; German.







CC range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTAAATGAT 957  
|||||  
Db 1 GTTAAATGAT 11

RESULT 2194  
ABH61585  
ID ABH61585 standard; DNA; 13 BP.  
XX  
AC ABH61585;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 261562 for detecting SNP TSC0063475.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX  
PS Claim 1; SEQ ID NO 261562; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Qy 932 CCCTCCCTCTTC 942  
|||||  
Db 1 CCCTCCCTCTTC 11

RESULT 2196  
ABC70879/c  
ID ABC70879 standard; DNA; 13 BP.  
XX  
AC ABC70879;  
XX

19

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 70896 for detecting SNP TSC0018403.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 70896; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 910 TTCCTTGGTCCTT 922
DB 13 TTCCTTGGTCCTT 1
XX
RESULT 2197
ABF00359
ID ABF00359 standard; DNA; 13 BP.
XX
AC ABF00359;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 100356 for detecting SNP TSC0024957.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 70896; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 910 TTCCTTGGTCCTT 922
DB 13 TTCCTTGGTCCTT 1
XX
RESULT 2197
ABF00359
ID ABF00359 standard; DNA; 13 BP.
XX
AC ABF00359;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 100356 for detecting SNP TSC0019473.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

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XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 100356; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 905 TCATTTTCCTT 915
DB 1 TCATTTTCCTT 11
XX
RESULT 2198
ABC76021
ID ABC76021 standard; DNA; 13 BP.
XX
AC ABC76021;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 76038 for detecting SNP TSC0019473.
XX
SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

PT methylation status.  
XX Claim 1; SEQ ID NO 76038; 29pp + Sequence Listing; German.  
PS  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 0 A; 4 C; 0 G; 9 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 905 TCATTTTCTTT 915  
DB 2 TCTTTTCTTT 12  
RESULT 2199  
ID ABF01247 standard; DNA; 13 BP.  
XX  
AC ABF01247;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 101244 for detecting SNP TSC0025200.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 101244; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 929 TATCCCTCCTC 939  
DB 2 TCTCCCTCCTC 12  
RESULT 2200  
ID ABC76319/c  
XX  
AC ABC76319;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 76336 for detecting SNP TSC0019532.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 76336; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGTAT 957  
DB 13 GTGTAATGTAT 3

```
RESULT 2201
ABF02167/c
ID ABF02167 standard; DNA; 13 BP.
XX
AC ABF02167;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 102164 for detecting SNP TSC0025451.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 102164; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 945 TGGTTTAATGTAT 957
DB 13 TGGTGTATGGAY 1
|||||
XX
RESULT 2202
ABF03953/c
ID ABF03953 standard; DNA; 13 BP.
XX
AC ABF03953;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 103950 for detecting SNP TSC0025999.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
```

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 103950; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 0 T; 0 U; 1 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX
QY 903 GGTCAATTTCTTT 915
DB 13 GGTCTTTTGTIV 1
|||||
XX
RESULT 2203
ABC81755/c
ID ABC81755 standard; DNA; 13 BP.
XX
AC ABC81755;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81772 for detecting SNP TSC0020683.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
```

PA (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 81772; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 913 TTGGCTCTTG 923  
 DB 12 TTGGCTCTTG 2  
 RESULT 2204  
 ABC34458/c  
 ID ABC34458 standard; DNA; 13 BP.  
 XX AC ABC34458;  
 XX 20-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 34475 for detecting SNP TSC0010991.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 34475; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 913 TTGGCTCTTG 923  
 DB 12 TTGGCTCTTG 2  
 RESULT 2205  
 ABC12759/c  
 ID ABC12759 standard; DNA; 13 BP.  
 XX AC ABC12759;  
 XX 20-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 12766 for detecting SNP TSC0002390.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 12766; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 10 A; 2 C; 0 G; 0 T; 0 U; 1 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 905 TCATTTTCTTT 915  
 DB 12 TCATTTTCTTT 2







CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGG 917

Db 12 ATTTTITTTGG 2

RESULT 2211

ABC15494  
 ID ABC15494 standard; DNA; 13 BP.

XX  
 AC ABC15494;

DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 15501 for detecting SNP TSC0003435.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 15501; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951  
 Db 2 TTATTGGTTTA 12

RESULT 2212

ABC65724/c  
 ID ABC65724 standard; DNA; 13 BP.

XX  
 AC ABC65724;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 65741 for detecting SNP TSC0017295.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 65741; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGGTACCA 965

Db 12 TATCGGCACCA 2

RESULT 2213

ABF19571  
 ID ABF19571 standard; DNA; 13 BP.

XX  
 AC ABF19571;

XX 21-FEB-2002 (first entry)

```
DE Oligonucleotide SEQ ID NO 119568 for detecting SNP TSC0029845.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 119568; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 934 CTCCTCTTCAT 944
Db 3 CTCCTCTTCAT 13
RESULT 2214
ABF20918/c
ID ABF20918 standard; DNA; 13 BP.
XX AC ABF20918;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 120915 for detecting SNP TSC0030170.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
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XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 120915; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 1 C; 3 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 950 TAATGTATCGC 960
Db 12 TAATATATCGC 2
RESULT 2215
ABF26357/c
ID ABF26357 standard; DNA; 13 BP.
XX AC ABF26357;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 126354 for detecting SNP TSC0031615.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
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PS Claim 1; SEQ ID NO 126354; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAATTA 3
RESULT 2216
ABF33101/C
ID ABF33101 standard; DNA; 13 BP.
XX
AC ABF33101;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 133098 for detecting SNP TSC0033208.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 133098; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 4 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAATGTA 956
DB 13 GGTTTAATTA 3
RESULT 2217
ABF35480
ID ABF35480 standard; DNA; 13 BP.
XX
AC ABF35480;
XX
DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 135477 for detecting SNP TSC0033820.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 135477; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 0 A; 1 C; 5 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 1 TTCATTGGTTT 11
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RESULT 2218
ABF43103/C
ID ABF43103 standard; DNA; 13 BP.
XX
AC ABF43103;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143100 for detecting SNP TSC0035891.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 143100; 29ppp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 13 TTGGTATTG 3
XX
RESULT 2219
ABF93305/C
ID ABF93305 standard; DNA; 13 BP.
XX
AC ABF93305;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 193302 for detecting SNP TSC0047559.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 143100; 29ppp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 913 TTGGTCTTTG 923
DB 13 TTGGTATTG 3
XX
RESULT 2220
ABF43685/C
ID ABF43685 standard; DNA; 13 BP.
XX
AC ABF43685;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 143682 for detecting SNP TSC0036076.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
```

PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 143682; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 2 C; 1 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 920 TTTGCTTTTATC 932  
DB 13 TTTGAGTATTAT 1  
|||||

RESULT 2221  
ABF44656/C  
ID ABF44656 standard; DNA; 13 BP.  
XX  
XX ABF44656;  
AC  
DT 21-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 144653 for detecting SNP TSC0036377.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 144653; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 3 A; 0 C; 8 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 929 TATCCCTCCTC 939  
DB 12 TATCCCTCCTC 2  
|||||

RESULT 2222  
ABF44661  
ID ABF44661 standard; DNA; 13 BP.  
XX  
XX ABF44661;  
AC  
DT 21-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 144658 for detecting SNP TSC0036377.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 144658; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 1 A; 8 C; 1 G; 3 T; 0 U; 0 Other;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCTC 939  
Db 2 TATCCCTCCCC 12

RESULT 2223  
ABF95996/c  
ID ABF95996 standard; DNA; 13 BP.  
XX AC ABF95996;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 195993 for detecting SNP TSC0048213.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPiG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 195993; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 4 A; 2 C; 7 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTC 942  
Db 12 CCTCTCTCTC 2

RESULT 2224  
ABF73294  
ID ABF73294 standard; DNA; 13 BP.  
XX AC ABF73294;

XX 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 173291 for detecting SNP TSC0043175.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPiG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 173291; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCTATGGTTT 950  
Db 3 TTTATGGTTT 13

RESULT 2225  
ABF49518  
ID ABF49518 standard; DNA; 13 BP.  
XX AC ABF49518;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 149515 for detecting SNP TSC0037742.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX AC ABF73294;





CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 943 ATTGTTTAACT 955  
DB 13 ATATGTTTAACTG 1  
|||||

RESULT 2228  
ABH00850  
ID ABH00850 standard; DNA; 13 BP.  
XX AC ABH00850;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 200827 for detecting SNP TSC0049410.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 200827; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATGGTTT 950  
DB 13 TTTTATATAGY 1  
|||||

RESULT 2230  
ABF80153  
ID ABF80153 standard; DNA; 13 BP.  
XX AC ABF80153;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 180150 for detecting SNP TSC0044601.  
XX

Db 2 TTTATTGGTTT 12

RESULT 2229  
ABF78025/C  
ID ABF78025 standard; DNA; 13 BP.  
XX AC ABF78025;  
XX  
DT 22-FEB-2002 (first entry)  
XX

DE Oligonucleotide SEQ ID NO 178022 for detecting SNP TSC0044112.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX

PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX

PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX

DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 178022; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX

SQ Sequence 13 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGTCGC 960  
DB 13 TTTAATATAGY 1  
|||||

RESULT 2230  
ABF80153  
ID ABF80153 standard; DNA; 13 BP.  
XX AC ABF80153;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 180150 for detecting SNP TSC0044601.  
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

PN WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 180150; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 1 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCCTT 915

DB 1 TCATTTTCCTT 11

RESULT 2231

ABH05542/C

ID ABH05542 standard; DNA; 13 BP.

XX AC ABH05542;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 205519 for detecting SNP TSC0050379.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 205519; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 923 GCCTTTTATCCCT 935

DB 13 RCCTTTTATACAT 1

RESULT 2232

ABH05543

ID ABH05543 standard; DNA; 13 BP.

XX AC ABH05543;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 205520 for detecting SNP TSC0050379.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 205520; 29pp + Sequence Listing; German.

```

SQ      Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      946 GGTTTAATGTA 956
DB      |||||
      12 GGTTTAATTTA 2

RESULT 2234
ABF81513/C
ID      ABF81513 standard; DNA; 13 BP.
AC      ABF81513;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide SEQ ID NO 181510 for detecting SNP TSC0044883.
DE
DE      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
OS
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
PD
XX
XX      06-APR-2001; 2001WO-IB0007113.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
PT      designed to detect single-nucleotide polymorphisms and cytosine
PT      methylation status.
XX
XX      Claim 1; SEQ ID NO 181510; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
CC      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC      and cytosine methylation status in chemically pretreated genomic DNA. The
CC      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC      range of diseases including immune system, gastrointestinal, respiratory,
CC      central nervous system, cardiovascular and metabolic disorders. The
CC      oligomers are also used for detecting cell type differentiation. ABCQ0010
CC      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABTC00010-ABTC0073
CC      represent the oligomers described in the invention. NOTE: The sequence
CC      data for this patent did not form part of the printed specification, but
CC      was obtained in electronic format from WIPO at
CC      ftp.wipo.int/pub/published_pct_sequences
XX
XX
SQ      Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      938 TCTTCATTGGTTT 950
DB      |||||
      13 TTTTAATTGGTTT 1

RESULT 2235
ABH08284/C

```

CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences	CC	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX	Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;	XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 76.9%; Pred. No. 1.3e+03; Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
XX	Sequence 13 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 1 Other;	XX</	

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ID ABH08284 standard; DNA; 13 BP.
XX AC ABH08284;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208261 for detecting SNP TSC0050910.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208261; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 5 G; 0 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 919 CTTTCCTTTT 929
DB 11 CTTTCCTTTT 1
RESULT 2236
ABH08919/c
ID ABH08919 standard; DNA; 13 BP.
XX AC ABH08919;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 208896 for detecting SNP TSC006015.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.

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XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 208896; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 0 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 910 TTTTCCTTTT 922
DB 13 TTTTCCTTTT 1
RESULT 2237
ABH10811/c
ID ABH10811 standard; DNA; 13 BP.
XX AC ABH10811;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 210788 for detecting SNP TSC0010484.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX OS Homo sapiens.

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XX DE Oligonucleotide SEQ ID NO 217021 for detecting SNP TSC0052748.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX KW Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 217021; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 920 TTGCTTTTAA 930
Db 1 TTTTCTTTTAA 11
RESULT 2240
ABH17044
ID ABH17044 standard; DNA; 13 BP.
XX AC ABH17044;
XX AC ABH17044;
XX DT 22-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 239884 for detecting SNP TSC0008514.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX KW Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 239884; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 920 TTGCTTTTAA 930
Db 1 TTTTCTTTTAA 11
RESULT 2241
ABH17044
ID ABH17044 standard; DNA; 13 BP.
XX AC ABH17044;
XX AC ABH17044;
XX DT 22-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 251784 for detecting SNP TSC0061446.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX KW Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 217021; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 9 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
Qy 910 TTCTTTGGCTTT 922
Db 1 TTCTTTGGCTTT 13
RESULT 2242
ABH51807/c
ID ABH51807 standard; DNA; 13 BP.
XX AC ABH51807;
XX AC ABH51807;
XX DT 22-FEB-2002 (first entry)
Oligonucleotide SEQ ID NO 251784 for detecting SNP TSC0061446.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX KW Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 239884; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 920 TTGCTTTTAA 930
Db 1 TTTTCTTTTAA 11
RESULT 2241
ABH17044
ID ABH17044 standard; DNA; 13 BP.
XX AC ABH17044;
XX AC ABH17044;
XX DT 22-FEB-2002 (first entry)

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PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 251784; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 4 A; 3 C; 1 G; 5 T; 0 U; 0 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 949 TTAATGTATCG 959  
DB 11 TGAATGTATCG 1  
XX  
XX RESULT 2243  
XX ABH53897/c  
XX ID ABH53897 standard; DNA; 13 BP.  
XX  
XX AC ABH53897;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide SEQ ID NO 253874 for detecting SNP TSC0061899.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX FN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX  
PS Claim 1; SEQ ID NO 253874; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 5 A; 4 C; 0 G; 3 T; 0 U; 1 Other;  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
XX  
QY 946 GGTTTAATGTATC 958  
DB 13 GGTTTAATGTATC 1  
XX  
XX RESULT 2244  
XX ABH54963/c  
XX ID ABH54963 standard; DNA; 13 BP.  
XX  
XX AC ABH54963;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide SEQ ID NO 254940 for detecting SNP TSC0010199.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX FN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 254940; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX

CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 941 TCATTGGTTTA 951  
 |||||  
 Db 12 TAATTGGTTTA 2  
 RESULT 2245  
 ABH56216  
 ID ABH56216 standard; DNA; 13 BP.  
 AC ABH56216;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 256193 for detecting SNP TSC0010142.  
 XX  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 256193 for detecting SNP TSC0010142.  
 XX  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 256193; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SF  
 SQ Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTAAAT 953  
 |||||  
 Db 3 ATTGGTTTAAAT 13  
 RESULT 2247  
 ABC93030  
 ID ABC93030 standard; DNA; 13 BP.  
 XX  
 AC ABC93030;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 93047 for detecting SNP TSC0023263.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;



```
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS WO200177384-A2.
XX 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 93047; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 0 A; 1 C; 3 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 908 TTTTCTTTGGT 918
XX Db 3 TTTTCTTTGGT 13
XX
XX RESULT 2248
XX ABC94165
XX ID ABC94165 standard; DNA; 13 BP.
XX AC ABC94165;
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 94182 for detecting SNP TSC0023510.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD 06-APR-2001; 2001WO-IB000713.
XX PF Oligonucleotide SEQ ID NO 94182 for detecting SNP TSC0023510.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD 06-APR-2001; 2001WO-IB000713.
XX PF Oligonucleotide SEQ ID NO 94182; 29pp + Sequence Listing; German.
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
```

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XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 94182; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 8 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.3%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 932 CCCTCTCTTC 942
XX Db 1 CCCTCTCTTC 11
XX
XX RESULT 2249
XX ABC94166/c
XX ID ABC94166 standard; DNA; 13 BP.
XX AC ABC94166;
XX DT 21-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 94183 for detecting SNP TSC0023510.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX OS WO200177384-A2.
XX PN 18-OCT-2001.
XX PD 06-APR-2001; 2001WO-IB000713.
XX PF Oligonucleotide SEQ ID NO 94183; 29pp + Sequence Listing; German.
XX PS This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
```

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942

DB 13 CCTCTCTCTTC 3

RESULT 2250

ABC94696  
 ID ABC94696 standard; DNA; 13 BP.

XX AC ABC94696;

XX DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 94713 for detecting SNP TSC0023602.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 94713; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956

DB 2 GGTTTAATGTA 12

RESULT 2251

ABC21177  
 ID ABC21177 standard; DNA; 13 BP.

XX AC ABC21177;

XX DT 20-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 21194 for detecting SNP TSC0004276.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 21194; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 7 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940

DB 2 ATCCCTCCTCT 12

RESULT 2252

ABC71594  
 ID ABC71594 standard; DNA; 13 BP.

XX

AC ABC71594;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 71611 for detecting SNP TSC0018532.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 71611; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 941 TCATTGGTTTAAT 953  
DB 1 TTATTGGTTAAAY 13  
RESULT 2253  
ABC71614  
ID ABC71614 standard; DNA; 13 BP.  
XX  
AC ABC71614;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 71631 for detecting SNP TSC0018535.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.

XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 71631; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 941 TCATTGGTTTAAT 953  
DB 1 TTATTGGTTTAY 13  
RESULT 2254  
ABC23944  
ID ABC23944 standard; DNA; 13 BP.  
XX  
AC ABC23944;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 23961 for detecting SNP TSC0005553.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
PR  
XX 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 23961; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTGGTC 919

Db 1 ATTTCCTTGGTC 919

RESULT 2255

ABC49343/C  
 ID ABC49343 standard; DNA; 13 BP.

AC ABC49343;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 49360 for detecting SNP TSC0013972.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 49360; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGGCTTTG 923

Db 13 TTGGGCTTTG 3

RESULT 2256

ABC99598  
 ID ABC99598 standard; DNA; 13 BP.

AC ABC99598;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 99615 for detecting SNP TSC0024745.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB0000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 99615; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 1 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTAATGTA 956

XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.
XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 76843; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-AB00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX	907 ATTTCCTTTGG 917
XX	1 ATTTCCTTTGG 11
XX	RESULT 2259
XX	ABF02166
XX	ID ABF02166 standard; DNA; 13 BP.
XX	ABF02166;
XX	21-FEB-2002 (first entry)
XX	Oligonucleotide SEQ ID NO 102163 for detecting SNP TSC0025451.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.
XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	Oligonucleotide SEQ ID NO 100355 for detecting SNP TSC0024957.
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	Homo sapiens.
XX	WO200177384-A2.
XX	18-OCT-2001.
XX	06-APR-2001; 2001WO-IB000713.
XX	07-APR-2000; 2000DE-01019173.
XX	(EPIG-) EPIGENOMICS AG.
XX	Olek A, Piepenbrock C, Berlin K;
XX	WPI; 2001-657177/75.
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
XX	Claim 1; SEQ ID NO 100355; 29pp + Sequence Listing; German.
XX	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-AB00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX	Sequence 13 BP; 11 A; 0 C; 1 G; 1 T; 0 U; 0 Other;
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13; Best Local Similarity 90.9%; Pred. No. 1.3e+03; Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX	905 TCATTTCTTT 915
XX	13 TCATTTCTTT 3
XX	RESULT 2258
XX	ABC76826
XX	ID ABC76826 standard; DNA; 13 BP.
XX	ABC76826;
XX	21-FEB-2002 (first entry)
XX	Oligonucleotide SEQ ID NO 76843 for detecting SNP TSC0019632.

```

PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 102163; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TCGTTTAATGGTAT 957
DB 1 TCGTTTAATGGAY 13
RESULT 2260
ABC78032
ID ABC78032 standard; DNA; 13 BP.
XX AC ABC78032;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 78049 for detecting SNP TSC0019867.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 78049; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 5 G; 4 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TCGTTTAATGGTAT 957
DB 1 TCGTTTAATGGAY 13
RESULT 2260
ABC78032
ID ABC78032 standard; DNA; 13 BP.
XX AC ABC78032;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 78049 for detecting SNP TSC0019867.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 78049; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 10 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 2 TTTTATTGGT 12
RESULT 2261
ABC04590
ID ABC04590 standard; DNA; 13 BP.
XX AC ABC04590;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 4581 for detecting SNP TSC0001664.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 4581; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX

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XX SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951
Db 1 TTATTGGTTTA 11

RESULT 2262
ABF07529/C
ID ABF07529 standard; DNA; 13 BP.
XX AC ABF07529;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 107526 for detecting SNP TSC0026922.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 107526; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 1 G; 0 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950
Db 13 TTCATTGGTTT 3

RESULT 2263
ABF07529/C
ID ABF07529 standard; DNA; 13 BP.
XX AC ABF07529;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 112304; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
Db 1 TCATTTCCTTT 11

RESULT 2264
ABF12307/C
ID ABF12307 standard; DNA; 13 BP.
XX AC ABF12307;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 11202; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTTT 915
Db 1 TCATTTCCTTT 11

RESULT 2264
ABF12307/C
ID ABF12307 standard; DNA; 13 BP.
XX AC ABF12307;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 112304 for detecting SNP TSC0028066.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPiG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 11202; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
```

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 64255; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC000010-ABF9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at [ftp.wipo.int/pub/published\\_pct\\_sequences](http://wipo.int/pub/published_pct_sequences)

Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTCGGTTTAAAT 953  
|||||||  
Db 3 ATTCGGTTTAAAT 13

RESULT 2266

ID ABF20919 standard; DNA; 13 BP.

ABF20919;  
21-FEB-2002 (first entry)

Oligonucleotide SEQ ID NO 120916 for detecting SNP TSC030170.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss; central nervous system; gastrointestinal; respiratory; immune; metabolic.

Homo sapiens.

WO200177384-A2.

18-OCT-2001.

06-APR-2001; 2001WO-IB000713.

07-APR-2000; 2000DE-01019173.

(EPIG-) EPIGENOMICS AG.

Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 120916; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a



CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 5 A; 3 C; 1 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 950 TAAATATGCGC 960  
DB 2 TAAATATGCGC 12  
RESULT 2267  
ABF22314  
ID ABF22314 standard; DNA; 13 BP.  
AC ABF22314;  
XX  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 122311 for detecting SNP TSC0030569.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 122311; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGTTAT 957  
DB 2 GTTAAATGTTAT 12  
RESULT 2268  
ABF22315/C  
ID ABF22315 standard; DNA; 13 BP.  
XX  
XX ABF22315;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 122312 for detecting SNP TSC0030569.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal, respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 122312; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 1 C; 0 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTAAATGTTAT 957  
DB 12 GTTAAATGTTAT 2  
RESULT 2269  
ABF31639/C  
ID ABF31639 standard; DNA; 13 BP.  
XX  
XX ABF31639;  
XX

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 131636 for detecting SNP TSC0032855.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131636; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTCGT 918
DB 13 TTTTTCGT 3
RESULT 2270
ID ABF36399
XX ABF36399 standard; DNA; 13 BP.
XX AC ABF36399;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 136396 for detecting SNP TSC0034069.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
DE Oligonucleotide SEQ ID NO 136396 for detecting SNP TSC0034069.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.

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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 136396; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 1 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 951 AATGTATCGCTAC 963
DB 1 RAICTATCCCTAC 13
RESULT 2271
ABF39205/c
ID ABF39205 standard; DNA; 13 BP.
XX AC ABF39205;
XX 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 139202 for detecting SNP TSC0034868.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.

```

methylation status.

Claim 1; SEQ ID NO 139202; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at [ftp.wipo.int/pub/published/pct\\_sequences](http://wipo.int/pub/published/pct_sequences)

Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred.No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 946 GGTTTAATGTA 956  
| | | | | | | | | |  
Db 13 GATTTAATGTA 3

RESULT 2272  
ABH18708/c  
ID ABH18708 standard; DNA; 13 BP.  
XX AC  
AC ABH18708;  
XX AC  
DT 22-FEB-2002 (first entry)  
XX DE  
DE Oligonucleotide SEQ ID NO 218685 for detecting SNP TSC0053188.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
PN 18-OCT-2001.  
PD  
PD  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PF 07-APR-2000; 2000DE-01019173.  
XX PR (BPIG-) EPIGENOMICS AG.  
PA  
PI Olek A, Piepenbrock C, Berlin K;  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 218685; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at [ftp.wipo.int/pub/published/pct\\_sequences](http://wipo.int/pub/published/pct_sequences)

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CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 6 G; 2 T; 0 U; 0 Other;

Query Watch 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0

QY 934 CTCCTCTTCAT 944
DB 13 CTCATCTTCAT 3

RESULT 2273
ABH19412
ID ABH19412 standard; DNA; 13 BP.
XX AC
XX ABH19412;
XX
DT 22-FEB-2002 (first entry)
XX
DE DE
DE DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 219389; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABG99989, ABP00010-ABF99989, ABH00010-ABF99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 1 C; 2 G; 5 T; 0 U; 1 Other;

Query Watch 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0

QY 948 TTTAATGTCGC 960
DB 1 TTTAAGTCATAGY 13

```



PA (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 198715; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 6 A; 0 C; 5 G; 2 T; 0 U; 0 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 925 CTTTATCCCT 935  
 DB 13 CTTTATCCCT 3  
 XX  
 RESULT 2277  
 ABF99598  
 ID ABF99598 standard; DNA; 13 BP.  
 AC ABF99598;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 199595 for detecting SNP TSC0049103.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; sp;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 199595; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 1 A; 1 C; 4 G; 7 T; 0 U; 0 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 908 TTTTCTTTGGT 918  
 DB 3 TTTTCTTTGGT 13  
 XX  
 RESULT 2278  
 ABF76919  
 ID ABF76919 standard; DNA; 13 BP.  
 AC ABF76919;  
 XX  
 DT 22-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 176916 for detecting SNP TSC0043896.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 176916; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944
Db 1 CTCATCTTCAT 11

RESULT 2279
ABF77163/C
ID ABF77163 standard; DNA; 13 BP.
AC ABF77163;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 177160 for detecting SNP TSC0009928.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 177160; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 1 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTATATGATCGC 960
Db 13 TTTAATATATGGY 1

RESULT 2280
ABF77491/C
ID ABF77491 standard; DNA; 13 BP.

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XX AC ABF77491;
XX XX 22-FEB-2002 (first entry)
XX DT
XX DE Oligonucleotide SEQ ID NO 177488 for detecting SNP TSC0044012.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 177488; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918
Db 11 TTTTATTGCT 1

RESULT 2281
ABH03292
ID ABH03292 standard; DNA; 13 BP.
XX
XX AC ABH03292;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 203269 for detecting SNP TSC0049909.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX

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PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 203269; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 945 TCGTTTAATGTAT 957  
DB 1 TCGTTTAATGTAT 13  
  
RESULT 2282  
ABH03293/c  
ID ABH03293 standard; DNA; 13 BP.  
XX  
AC ABH03293;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 203270 for detecting SNP TSC0049909.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 203270; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 2 C; 1 G; 2 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 945 TCGTTTAATGTAT 957  
DB 13 TCGTTTAATGTAT 1  
  
RESULT 2283  
ABF54514/c  
ID ABF54514 standard; DNA; 13 BP.  
XX  
AC ABF54514;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 154511 for detecting SNP TSC0039046.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 154511; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 4 A; 1 C; 4 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 11 TATCGCTACTA 1

RESULT 2284

ABF84446

ID ABF84446 standard; DNA; 13 BP.

XX

AC ABF84446;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 184443 for detecting SNP TSC0045517.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIC-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX

Claim 1; SEQ ID NO 184443; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 1 A; 0 C; 3 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 940 TTCATTGGTTT 950

Db 2 TTATTGGTTT 12

RESULT 2285

ABH35002/c

ID ABH35002 standard; DNA; 13 BP.

XX

AC ABH35002;

XX

DT 22-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 234979 for detecting SNP TSC0057373.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIC-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX

Claim 1; SEQ ID NO 234979; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 76.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 923 GCCTTTTATCCCT 935

Db 13 RCCTTATACCCCT 1

RESULT 2286

ABF85689/c

ID ABF85689 standard; DNA; 13 BP.

XX

AC ABF85689;

XX

DT 22-FEB-2002 (first entry)

XX



DE Oligonucleotide SEQ ID NO 185686 for detecting SNP TSC0045759.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 185686; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 945 TGGTTTAATGTAT 957  
DB 13 TGGTTTAATGGAY 1  
RESULT 2287  
ABH10810  
ID ABH10810 standard; DNA; 13 BP.  
XX AC ABH10810;  
XX DT 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 210787 for detecting SNP TSC0010484.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 210787; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 947 GTTTAATGTAT 957  
DB 2 GTTTAATGTCT 12  
RESULT 2288  
ABH36074  
ID ABH36074 standard; DNA; 13 BP.  
XX AC ABH36074;  
XX DT 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 236051 for detecting SNP TSC0057616.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX

```

PS Claim 1; SEQ ID NO 236051; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query.Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 2 TTATTTGGTTT 12
RESULT 2289
ABH11306
ID ABH11306 standard; DNA; 13 BP.
XX
AC ABH11306;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 211283 for detecting SNP TSC0051542.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 211283; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query.Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 2 TTATTTGGTTT 12
RESULT 2289
ABH11306
ID ABH11306 standard; DNA; 13 BP.
XX
AC ABH11306;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 211283 for detecting SNP TSC0051542.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 211283; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;
Query.Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTCTTGG 953
DB 2 ATTGGTCTTGG 12
RESULT 2290
ABF62510
ID ABF62510 standard; DNA; 13 BP.
XX
AC ABF62510;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 162507 for detecting SNP TSC0040879.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 162507; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
Query.Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTCTTGG 953
DB 2 ATTGGTCTTGG 12

```

```
RESULT 2291
ABH13467/c
ID ABH13467 standard; DNA; 13 BP.
XX
AC ABH13467;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 213444 for detecting SNP TSC0008090.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 213444; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 949 TTAATGATCG 959
DB 12 TTAATGATAG 2
XX
RESULT 2292
ABF91691/c
ID ABF91691 standard; DNA; 13 BP.
XX
AC ABF91691;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 191688 for detecting SNP TSC0000813.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 191688; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation.
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 947 GTTTATGATAT 957
DB 13 GTTTATGATAT 3
XX
RESULT 2293
ABH44396/c
ID ABH44396 standard; DNA; 13 BP.
XX
AC ABH44396;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 244373 for detecting SNP TSC0059649.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
```



Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
Db 2 GTTTAATGAAT 12

RESULT 2296  
ABH63900  
ID ABH63900 standard; DNA; 13 BP.  
XX  
AC ABH63900;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 263877 for detecting SNP TSC0063961.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 263877; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 907 ATTTCCTTTGGTC 919  
Db 1 AATTTTITGGTY 13

RESULT 2297  
ABH64192/c  
ID ABH64192 standard; DNA; 13 BP.  
XX  
AC ABH64192;

Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGAT 957  
Db 2 GTTTAATGAAT 12

RESULT 2298  
ABH68000  
ID ABH68000 standard; DNA; 13 BP.  
XX  
AC ABH68000;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 68017 for detecting SNP TSC0017754.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 264169; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
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CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 0 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGCTACCAAC 967  
Db 12 TCCCTACCAAC 2

RESULT 2298  
ABH68000  
ID ABH68000 standard; DNA; 13 BP.  
XX  
AC ABH68000;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 68017 for detecting SNP TSC0017754.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
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PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
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PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
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PS Claim 1; SEQ ID NO 264169; 29pp + Sequence Listing; German.  
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CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABH00010-ABH82073  
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XX  
SQ Sequence 13 BP; 2 A; 0 C; 7 G; 4 T; 0 U; 0 Other;

PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
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PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
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PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 68017; 29pp + Sequence Listing; German.  
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CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 1 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
XX  
OY 946 GGTGTAATGATC 958  
DB 1 GGTGTAATGATC 13  
XX  
RESULT 2299  
ABC95528  
ID ABC95528 standard; DNA; 13 BP.  
XX  
AC ABC95528;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 95545 for detecting SNP TSC0023777.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 95545; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
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CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
XX  
OY 920 TTTCCTTTTATC 932  
DB 1 TTTCCTTTTATC 13  
XX  
RESULT 2300  
ABC45646/C  
ID ABC45646 standard; DNA; 13 BP.  
XX  
AC ABC45646;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 45663 for detecting SNP TSC0013276.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 45663; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC data for this patent did not form part of the printed specification, but  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 1 G; 10 T; 0 U; 1 Other;

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CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 3 A; 0 C; 6 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 957 TCGCTACCAAC 967  
13 TCACCTACCAAC 3

RESULT 2301  
ABC70878  
ID ABC70878 standard; DNA; 13 BP.

XX AC ABC70878;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 70895 for detecting SNP TSC0018403.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PD 06-APR-2001; 2001WO-IB000713.

PF 07-APR-2000; 2000DE-01019173.

PR (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

PS Claim 1; SEQ ID NO 70895; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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CC central nervous system, cardiovascular and metabolic disorders. The  
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
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XX Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;

QY Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCCTTGGCTCTTT 922  
|||||

Db 1 TTCCTTGGCTCTTT 13  
RESULT 2302  
ABC71543/C  
ID ABC71543 standard; DNA; 13 BP.

XX AC ABC71543;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 71560 for detecting SNP TSC0018522.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

PD 06-APR-2001; 2001WO-IB000713.

PF 07-APR-2000; 2000DE-01019173.

PR (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

PI WPI; 2001-657177/75.

DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

PS Claim 1; SEQ ID NO 71560; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
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CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;

QY Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918  
|||||

RESULT 2303  
ABC50398  
ID ABC50398 standard; DNA; 13 BP.

XX AC ABC50398;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 50415 for detecting SNP TSC0014174.





CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 949 TTAATGATCG 959  
DB 2 TTAATGATGG 12  
|||||

RESULT 2306  
ABF02160  
ID ABF02160 standard; DNA; 13 BP.  
AC ABF02160;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 102157 for detecting SNP TSC0025451.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 102157; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
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XX SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957  
DB 1 GTTAAATGAT 11  
|||||

RESULT 2307  
ABC03281  
ID ABC03281 standard; DNA; 13 BP.  
XX  
AC ABC03281;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 3272 for detecting SNP TSC0001238.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
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PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 3272; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
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CC data for this patent did not form part of the printed specification, but  
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XX SQ Sequence 13 BP; 2 A; 6 C; 0 G; 4 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCCTCT 940  
DB 3 ATCCATCCCTCT 13  
|||||

RESULT 2308  
ABC03282/c

ID ABC03282 standard; DNA; 13 BP.  
XX ABC03282;  
AC  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 3273 for detecting SNP TSC0001238.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
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XX 07-APR-2000; 2000DE-01019173.  
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XX (EPIG-) EPIGENOMICS AG.  
PA  
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XX Olek A, Piepenbrock C, Berlin K;  
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XX WPI; 2001-657177/75.  
DR  
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XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PT  
XX  
XX Claim 1; SEQ ID NO 3273; 29pp + Sequence Listing; German.  
PS  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
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CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989, and AB100010-AB182073  
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CC data for this patent did not form part of the printed specification, but  
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XX  
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XX  
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CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
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CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989, and AB100010-AB182073  
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XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 930 ATCCCTCTCTCT 940  
DB 11 ATCCCTCTCTCT 1  
XX  
RESULT 2309  
ABC54362  
ID ABC54362 standard; DNA; 13 BP.  
XX  
XX ABC54362;  
AC  
XX  
XX 21-FEB-2002 (first entry)  
DT  
XX  
XX Oligonucleotide SEQ ID NO 54379 for detecting SNP TSC0014918.  
DE  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX

XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
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XX (EPIG-) EPIGENOMICS AG.  
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XX Olek A, Piepenbrock C, Berlin K;  
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XX WPI; 2001-657177/75.  
DR  
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PT methylation status.  
PT  
XX  
XX Claim 1; SEQ ID NO 54379; 29pp + Sequence Listing; German.  
PS  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989, and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX  
XX Sequence 13 BP; 0 A; 0 C; 4 G; 8 T; 0 U; 1 Other;  
PS  
XX  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 913 TTGGTCTTTG 923  
DB 1 TTGGTCTTTG 11  
XX  
RESULT 2310  
ABF04553/c  
ID ABF04553 standard; DNA; 13 BP.  
XX  
XX ABF04553;  
AC  
XX  
XX 21-FEB-2002 (first entry)  
DT  
XX  
XX Oligonucleotide SEQ ID NO 104550 for detecting SNP TSC0026138.  
DE  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX  
XX 18-OCT-2001.  
PD  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX  
XX

DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 104550; 29pp + Sequence Listing; German.  
PS This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 3 C; 1 G; 0 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
OY 917 GTCTTGCGCTTT 929  
DB 13 GTTTTGCGTIV 1  
RESULT 2311  
ABC55216  
ID ABC55216 standard; DNA; 13 BP.  
AC ABC55216;  
XX  
XX 21-FEB-2002 (first entry)  
DT  
XX Oligonucleotide SEQ ID NO 55233 for detecting SNP TSC0015098.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 55233; 29pp + Sequence Listing; German.  
PS This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
OY 946 GGTTTAATGTA 956  
DB 1 GGTTTAATGTA 11  
RESULT 2312  
ABC32309/c  
ID ABC32309 standard; DNA; 13 BP.  
XX  
XX ABC32309;  
AC  
XX 20-FEB-2002 (first entry)  
DT  
XX Oligonucleotide SEQ ID NO 32326 for detecting SNP TSC0010079.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 32326; 29pp + Sequence Listing; German.  
PS This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY 908 TTTTCTTTGGT 918
DB 13 TTTTATTTGGT 3

RESULT 2315
ABF08288
ID ABF08288 standard; DNA; 13 BP.
XX AC ABF08288;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 108285 for detecting SNP TSC0027111.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 108285; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 13 BP; 0 A; 1 C; 4 G; 8 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
DB 2 TTTTCTTTGGT 12

RESULT 2314
ABC85621/c
ID ABC85621 standard; DNA; 13 BP.
XX AC ABC85621;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 111070 for detecting SNP TSC0027729.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 108285; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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XX DE Oligonucleotide SEQ ID NO 85638 for detecting SNP TSC0021525.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 85638; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGTTTAAAT 953
DB 12 ATTAGTTTAAAT 2

RESULT 2315
ABF11073/c
ID ABF11073 standard; DNA; 13 BP.
XX AC ABF11073;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 111070 for detecting SNP TSC0027729.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 85638; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. NO. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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PF 06-APR-2001; 2001WO-IB000713.
PR 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 111070; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 4 C; 0 G; 5 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 946 GGTTTAAAGTA 956
DB 13 GGTTTAAAGTA 3
RESULT 2316
ABC86657/c
ID ABC86657 standard; DNA; 13 BP.
XX AC ABC86657;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 86674 for detecting SNP TSC0021775.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 39284; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 949 TTAATGTATCG 959
DB 11 TTAATGTATCG 1
RESULT 2317
ABC39267
ID ABC39267 standard; DNA; 13 BP.
XX AC ABC39267;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 39284 for detecting SNP TSC0012032.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 39284; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
```

CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 6 C; 1 G; 4 T; 0 U; 0 Other;  
SQ

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965

Db 2 TATCGCTACCA 12

RESULT 2318

ABC64239/C  
ID ABC64239 standard; DNA; 13 BP.

XX

AC ABC64239;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 64256 for detecting SNP TSC0016952.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX

Claim 1; SEQ ID NO 64256; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAT 953

Db 11 ATTGGTTTAT 1

RESULT 2319  
ABC64623/C  
ID ABC64623 standard; DNA; 13 BP.

XX

AC ABC64623;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 64640 for detecting SNP TSC0017049.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX

OS Homo sapiens.

XX

PN WO200177384-A2.

XX

PD 18-OCT-2001.

XX

PF 06-APR-2001; 2001WO-IB000713.

XX

PR 07-APR-2000; 2000DE-01019173.

XX

PA (EPIG-) EPIGENOMICS AG.

XX

PI Olek A, Piepenbrock C, Berlin K;

XX

DR WPI; 2001-657177/75.

XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX

Claim 1; SEQ ID NO 64640; 29pp + Sequence Listing; German.

XX

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 11 A; 2 C; 0 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918

Db 12 TTTTCTTTGGT 2

RESULT 2320

ABC65725  
ID ABC65725 standard; DNA; 13 BP.

XX

AC ABC65725;

XX

DT 21-FEB-2002 (first entry)

XX

DE Oligonucleotide SEQ ID NO 65742 for detecting SNP TSC0017295.

XX

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 65742; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 955 TATCGCTACCA 965  
 DB 2 TATCGCCACCA 12  
 RESULT 2321  
 ABF2977/C  
 ID ABF2977 standard; DNA; 13 BP.  
 XX ABF2977;  
 XX 21-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 122974 for detecting SNP TSC0030741.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 122974; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 947 GTTATATGAT 957  
 DB 13 GTTATATGAT 3  
 RESULT 2322  
 ABF25463/C  
 ID ABF25463 standard; DNA; 13 BP.  
 XX ABF25463;  
 XX 21-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 125460 for detecting SNP TSC0031370.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 125460; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATTGGTTTAAT 953  
 Db 12 ATTGGTTTAAT 2  
 ||||| |||||

RESULT 2323  
 ABF31385/C  
 ID ABF31385 standard; DNA; 13 BP.  
 AC ABF31385;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 131382 for detecting SNP TSC0032794.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 131382; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGTAT 957  
 Db 13 TGGTTTAGTTAT 1  
 ||||| |||||

RESULT 2324  
 ABF33100  
 ID ABF33100 standard; DNA; 13 BP.  
 XX  
 AC ABF33100;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 133097 for detecting SNP TSC0033208.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 133097; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 906 CATTTTCCTTGT 918  
 Db 1 CGTTTGTGTGGY 13  
 ||||| |||||

RESULT 2325  
 ABF33103/C  
 ID ABF33103 standard; DNA; 13 BP.  
 XX





PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 218936; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 0 A; 8 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 928 TTATCCCTCTCT 938

DB 3 TTCTCCCTCT 13

RESULT 2328

ABF94182/C  
 ID ABF94182 standard; DNA; 13 BP.

XX ABF94182;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 194179 for detecting SNP TSC0047755.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 194179; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 7 A; 0 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 948 TTTAATGATC 958

DB 12 TTTAATATATC 2

RESULT 2329

ABF97554/C  
 ID ABF97554 standard; DNA; 13 BP.

XX ABF97554;

XX 22-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 197551 for detecting SNP TSC0048617.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 197551; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 7 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCTTT 915

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Db      12 TCATTACTTT 2
        ||||| |||
RESULT 2330
ABF97820/c
ID ABF97820 standard; DNA; 13 BP.
XX
AC ABF97820;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 197817 for detecting SNP TSC0048685.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI MPI; 2001-657177/75.
XX
DR
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 197817; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 1 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965
Db 11 TATCGATACCA 1
        ||||| |||
RESULT 2331
ABH23859/c
ID ABH23859 standard; DNA; 13 BP.
XX
AC ABH23859;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 223836 for detecting SNP TSC0054505.

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 952 ATGTCGCTA 962
Db 13 ATGTCGCTA 3
        ||||| |||
RESULT 2332
ABF99390/c
ID ABF99390 standard; DNA; 13 BP.
XX
AC ABF99390;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 199387 for detecting SNP TSC0049058.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX

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PR 07-APR-2000; 2000DE-01019173.
PA (EPIG-) EPIGENOMICS AG.
PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 19387; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 924 CTTTATCC 934
XX DB 11 CTTTATCC 1
XX
XX RESULT 2333
XX ABF76918/c
XX ID ABF76918 standard; DNA; 13 BP.
XX AC ABF76918;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 176915 for detecting SNP TSC0043896.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 176915; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 924 CTTTATCC 934
XX DB 11 CTTTATCC 1
XX
XX RESULT 2333
XX ABF76918/c
XX ID ABF76918 standard; DNA; 13 BP.
XX AC ABF76918;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 176915 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 176915; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTTCAT 944
XX DB 13 CTCCTTCAT 3
XX
XX RESULT 2334
XX ABF77490
XX ID ABF77490 standard; DNA; 13 BP.
XX AC ABF77490;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 177487 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 177487; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX

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```
XX SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 3 TTTTATTGGT 13

RESULT 2335
ABF77493/C
ID ABF77493 standard; DNA; 13 BP.
XX AC
XX ABF77493;
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 177490 for detecting SNP TSC0044012.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPITG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 177490; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 9 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGGT 918
Db 11 TTTTGTTTGGT 1

RESULT 2336
ABH27857
ID ABH27857 standard; DNA; 13 BP.
XX AC
XX ABH27857;
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 227834 for detecting SNP TSC0055556.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPITG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 227834; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 2 A; 6 C; 1 G; 3 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940
Db 3 ATCCCTCCGCT 13

RESULT 2337
ABH03288
ID ABH03288 standard; DNA; 13 BP.
XX AC
XX ABH03288;
XX 22-FEB-2002 (first entry)
XX DE
XX Oligonucleotide SEQ ID NO 203265 for detecting SNP TSC0049909.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
```

OS Homo sapiens.  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 203265; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 XX  
 QY 945 TCGTTTAATGTAT 957  
 Db 1 TTGTTTAATGTAT 13  
 XX  
 RESULT 2338  
 ABH04897/C  
 ID ABH04897 standard; DNA; 13 BP.  
 XX  
 AC ABH04897;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 204874 for detecting SNP TSC0050247.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 204874; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;  
 XX  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 XX  
 QY 943 ATTGTTTAAT 953  
 Db 13 ATTGTTTAAT 3  
 XX  
 RESULT 2339  
 ABH05320  
 ID ABH05320 standard; DNA; 13 BP.  
 XX  
 AC ABH05320;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 205297 for detecting SNP TSC0050330.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 205297; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 1 Other;

CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 943 ATTGGTTTAAT 953  
Db 2 ATTGGATTAAAT 12  
|||||  
  
RESULT 2340  
ABH32348  
ID ABH32348 standard; DNA; 13 BP.  
XX AC ABH32348;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 232325 for detecting SNP TSC0056660.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 232325; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 0 C; 1 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 943 ATTGGTTTAAT 953  
Db 3 ATTAGTTTAAT 13  
|||||  
  
RESULT 2341  
ABF57799  
ID ABF57799 standard; DNA; 13 BP.  
XX AC ABF57799;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 157796 for detecting SNP TSC0039743.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 157796; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 905 TCATTTCCTTT 915  
Db 2 TCATTTCCTTT 12  
|||||  
  
RESULT 2342  
ABF58534  
ID ABF58534 standard; DNA; 13 BP.  
XX AC ABF58534;  
XX

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DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 158531 for detecting SNP TSC0039907.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 158531; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 940 TTCATTGGTTT 950
DB 3 TTCATTGGTTT 13
RESULT 2343
ABH36110
ID ABH36110 standard; DNA; 13 BP.
XX
AC ABH36110;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 236087 for detecting SNP TSC0004735.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.

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XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 236087; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 941 TCATTGGTTTA 951
DB 3 TCATTGGTTTA 13
RESULT 2344
ABF60976
ID ABF60976 standard; DNA; 13 BP.
XX
AC ABF60976;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 160973 for detecting SNP TSC0005250.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT

```



PT methylation status.  
PS Claim 1; SEQ ID NO 160973; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX  
SQ Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGAT 957  
Db 1 GGTTAATGAT 11

RESULT 2345  
ABH11416  
ID ABH11416 standard; DNA; 13 BP.  
XX  
AC ABH11416;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 211393 for detecting SNP TSC0051569.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX  
PS Claim 1; SEQ ID NO 211393; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

CC data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX  
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 943 ATTGTTTAAATGT 955  
Db 1 ATTGTTTAAATGT 13

RESULT 2346  
ABF62774  
ID ABF62774 standard; DNA; 13 BP.  
XX  
AC ABF62774;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 162771 for detecting SNP TSC0040932.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS; peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX  
PS Claim 1; SEQ ID NO 162771; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX  
SQ Sequence 13 BP; 6 A; 0 C; 3 G; 4 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 946 GGTTAATGTA 956  
Db 1 GGTTAATGTA 11

```

RESULT 2347
ABH14483/c
ID ABH14483 standard; DNA; 13 BP.
XX
XX
AC ABH14483;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 214460 for detecting SNP TSC0052165.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 214460; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 952 ATGTATCGCTA 962
DB 13 ATGTATCGCTA 3
XX
XX
RESULT 2348
ABF65321/c
ID ABF65321 standard; DNA; 13 BP.
XX
XX
AC ABF65321;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 165318 for detecting SNP TSC0041464.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX (EPIG-) EPIGENOMICS AG.
PA
XX Olek A, Piepenbrock C, Berlin K;
PI
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 214460; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 1 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 952 ATGTATCGCTA 962
DB 13 ATGTATCGCTA 3
XX
XX
RESULT 2349
ABH45848
ID ABH45848 standard; DNA; 13 BP.
XX
XX
AC ABH45848;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 245825 for detecting SNP TSC0010699.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX WO200177384-A2.
PN
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX

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KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 165318; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
QY 949 TTAATGTATCG 959
DB 11 TTAATGTATAG 1
XX
XX
RESULT 2349
ABH45848
ID ABH45848 standard; DNA; 13 BP.
XX
XX
AC ABH45848;
XX
XX 22-FEB-2002 (first entry)
DT
XX
DE Oligonucleotide SEQ ID NO 245825 for detecting SNP TSC0010699.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX

```

CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligomers are also used for detecting cell type differentiation. ABC00010	
CC	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the invention. NOTE: The sequence	
CC	data was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX		
XX	Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;	
XX		
XX	Query Match 12.9%; Score 9.4; DB 1; Length 13;	
XX	Best Local Similarity 90.9%; Pred. NO. 1.3e+03;	
XX	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
XX		
QY	943 ATTGTTTAAAT 953	
DB	13 ATTGTTTAAAT 3	
XX		
XX	RESULT 2351	
XX	ABH47705/C	
XX	ID ABH47705 standard; DNA; 13 BP.	
XX	AC ABH47705;	
XX	AC	
XX	AC	
XX	DT 22-FEB-2002 (first entry)	
XX		
XX	Oligonucleotide SEQ ID NO 247682 for detecting SNP TSC0060535.	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX	WO2001177384-A2.	
XX	18-OCT-2001.	
XX		
XX	06-APR-2001; 2001WO-IB000713.	
XX	07-APR-2000; 2000DE-01019173.	
XX	(EPIG-) EPIGENOMICS AG.	
XX		
PI	Olek A, Piepenbrock C, Berlin K;	
XX		
XX	WPI; 2001-657177/75.	
XX		
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is	
PT	designed to detect single-nucleotide polymorphisms and cytosine	
PT	methylation status.	
XX		
XX	Claim 1; SEQ ID NO 247682; 29pp + Sequence Listing; German.	
XX		
XX	This invention describes novel oligonucleotide primers or peptide nucleic	
XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
XX	and cytosine methylation status in chemically pretreated genomic DNA. The	
XX	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
XX	range of diseases including immune system, gastrointestinal, respiratory,	
XX	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
XX	range of diseases including immune system, gastrointestinal, respiratory,	
XX	central nervous system, cardiovascular and metabolic disorders. The	
XX	oligomers are also used for detecting cell type differentiation. ABC00010	
XX	-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073	
XX	represent the oligomers described in the invention. NOTE: The sequence	
XX	data for this patent did not form part of the invention. NOTE: The sequence	
XX	data was obtained in electronic format from WIPO at	
XX	ftp.wipo.int/pub/published_pct_sequences	
XX		
XX	Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;	
XX		

Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

XX	ABH64251;	
AC		
XX		
DT	22-FEB-2002	(first entry)
XX		
DE	Olignonucleotide SEQ ID NO 264228	for detecting SNP TSC0064030.
XX		
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
PN	WO200177384-A2.	
XX		
PD	18-OCT-2001.	
XX		
PF	06-APR-2001; 2001WO-IB000713.	
XX		
PR	07-APR-2000; 2000DE-01019173.	
XX		
PA	(EPIG-) EPIGENOMICS AG.	
XX		
PI	Olek A, Piepenbrock C, Berlin K;	
XX		
DR	WPI; 2001-657177/75.	
XX		
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is	
PT	designed to detect single-nucleotide polymorphisms and cytosine	
PT	methylation status.	
XX		
PS	Claim 1; SEQ ID NO 264228; 29pp + Sequence Listing; German.	
XX		
CC	This invention describes novel oligonucleotide primers or peptide nucleic	
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)	
CC	and cytosine methylation status in chemically pretreated genomic DNA. The	
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a	
CC	range of diseases including immune system, gastrointestinal, respiratory,	
CC	central nervous system, cardiovascular and metabolic disorders. The	
CC	oligomers are also used for detecting cell type differentiation. ABC00010	
CC	-ABC99989, ABT00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABI82073	
CC	represent the oligomers described in the invention. NOTE: The sequence	
CC	data for this patent did not form part of the printed specification, but	
CC	was obtained in electronic format from WIPO at	
CC	ftp.wipo.int/pub/published_pct_sequences	
XX		
SQ	Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;	
	Query Match	12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity	90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative	0; Mismatches 1; Indels 0; Gaps 0
QY	945 TGGTTTAATGT	955
Db	13 TGGTGTAAATGT	3
RESULT 2354		
ABH65133		
ID	ABH65133 standard; DNA; 13 BP.	
XX		
AC	ABH65133;	
XX		
DT	22-FEB-2002	(first entry)
XX		
DE	Olignonucleotide SEQ ID NO 265110	for detecting SNP TSC0064241.
XX		
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		



CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTATATGATTC 958  
Db 13 GGTATATGATTC 1  
|||||

RESULT 2357  
ABC21176/C  
ID ABC21176 standard; DNA; 13 BP.  
XX AC ABC21176;  
XX 20-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 21193 for detecting SNP TSC0004276.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 21193; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 7 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCTCTCT 940  
Db 12 ATCCCTACTCT 2  
|||||

RESULT 2358  
ABC71542  
ID ABC71542 standard; DNA; 13 BP.  
XX AC ABC71542;  
XX 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 71559 for detecting SNP TSC0018522.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 71559; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCT 918  
Db 1 TTTTCTTTGCT 11  
|||||

RESULT 2359  
ABC21549  
ID ABC21549 standard; DNA; 13 BP.  
XX AC ABC21549;  
XX 20-FEB-2002 (first entry)  
XX DT 20-FEB-2002 (first entry)

06-APR-2001; 2001WO-IB000713.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX

XX

PS Claim 1; SEQ ID NO 97985; 29pp + Sequence Listing; German.

XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 1 C; 0 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915  
|||||  
DB 1 TCATTTTATT 11

RESULT 2362  
ABC98916  
ID ABC98916 standard; DNA; 13 BP.

XX  
AC ABC98916;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 98933 for detecting SNP TSC0024573.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS  
XX WO200177384-A2.

PN  
XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 98933; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at

CC ftp.wipo.int/pub/published\_pct\_sequences

XX  
SQ Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGTAT 957  
|||||  
DB 1 TGGTGTATTGTAT 13

RESULT 2363  
ABC48829/C  
ID ABC48829 standard; DNA; 13 BP.

XX  
AC ABC48829;

XX 21-FEB-2002 (first entry)

XX Oligonucleotide SEQ ID NO 48846 for detecting SNP TSC0013874.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

OS  
XX WO200177384-A2.

PN  
XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 48846; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957  
|||||  
DB 12 GTTAAATTTAT 2



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RESULT 2364
ABC75194/c
ID ABC75194 standard; DNA; 13 BP.
XX AC ABC75194;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 75211 for detecting SNP TSC0019305.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 75211; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 925 CTTTATCCCT 935
DB 11 CTTTATCCCT 1
RESULT 2365
ABC03280/c
ID ABC03280 standard; DNA; 13 BP.
XX AC ABC03280;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 3271 for detecting SNP TSC0001238.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WIPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX PS Claim 1; SEQ ID NO 3271; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
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XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 925 CTTTATCCCT 935
DB 11 CTTTATCCCT 1
RESULT 2366
ABF03952
ID ABF03952 standard; DNA; 13 BP.
XX AC ABF03952;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 103949 for detecting SNP TSC0025999.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
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PI Olek A, Piepenbrock C, Berlin K;  
 DR WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 103949; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 903 GGTGCTTTCTTT 915  
 DB 1 GGTGCTTTCTTT 13  
 RESULT 2367  
 ID ABF06774 standard; DNA; 13 BP.  
 AC ABF06774;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 106771 for detecting SNP TSC0026727.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 DE Oligonucleotide SEQ ID NO 106771 for detecting SNP TSC0026727.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 DE (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 106771; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 0 A; 1 C; 4 G; 7 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 903 GGTGCTTTCTTT 915  
 DB 1 GGTGCTTTCTTT 13  
 RESULT 2368  
 ID ABF06775/c  
 AC ABF06775;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 106772 for detecting SNP TSC0026727.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 DE (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 106772; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 945 TGGTTTAAATGT 955  
 DB 1 TGGTTTAAATTT 11  
 RESULT 2368  
 ID ABF06775/c  
 AC ABF06775;  
 XX 21-FEB-2002 (first entry)  
 DE Oligonucleotide SEQ ID NO 106772 for detecting SNP TSC0026727.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 DE (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PS Claim 1; SEQ ID NO 106772; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 945 TGGTTTAATGT 955
Db 13 TGGTTTAATTT 3

RESULT 2369
ABC57985/c
ID ABC57985 standard; DNA; 13 BP.
XX AC ABC57985;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 58002 for detecting SNP TSC0015581.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 58002 for detecting SNP TSC0015581.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 58002; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 947 GTTTAATGTAT 957
Db 13 GTTTGATGTAT 3

RESULT 2370
ABC08882/c
ID ABC08882 standard; DNA; 13 BP.
XX AC ABC08882;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11865 for detecting SNP TSC0002853.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11865 for detecting SNP TSC0002853.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 8873; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 924 CTTTATATCC 934
Db 12 CTTTATATCTC 2

RESULT 2371
ABC11858
ID ABC11858 standard; DNA; 13 BP.
XX AC ABC11858;
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11865 for detecting SNP TSC0002853.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 20-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 11865 for detecting SNP TSC0002853.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX WO200177384-A2.
XX PD 18-OCT-2001.
XX DT 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 8873; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
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XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 0 C; 5 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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CC represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 948 TTTAATGATGCG 960  
| | | | | | | | | |  
Db 13 TGTAAATGATAGY 1

RESULT 2374  
ABC8572  
ID ABC8572 standard; DNA; 13 BP.  
XX AC ABC8572;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 8589 for detecting SNP TSC0022265.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is PT designed to detect single-nucleotide polymorphisms and cytosine PT methylation status.  
XX Claim 1; SEQ ID NO 8589; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) CC and cytosine methylation status in chemically pretreated genomic DNA. The CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC range of diseases including immune system, gastrointestinal, respiratory, CC central nervous system, cardiovascular and metabolic disorders. The CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 941 TCATTGGTTTA 951  
| | | | | | | | | |

Db 2 TTATTGGTTTA 12

RESULT 2375  
ABC14557  
ID ABC14557 standard; DNA; 13 BP.  
XX AC ABC14557;  
XX DT 20-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 14564 for detecting SNP TSC0003286.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is PT designed to detect single-nucleotide polymorphisms and cytosine PT methylation status.  
XX Claim 1; SEQ ID NO 14564; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) CC and cytosine methylation status in chemically pretreated genomic DNA. The CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a CC range of diseases including immune system, gastrointestinal, respiratory, CC central nervous system, cardiovascular and metabolic disorders. The CC oligomers are also used for detecting cell type differentiation. ABC00010 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 CC represent the oligomers described in the invention. NOTE: The sequence CC data for this patent did not form part of the printed specification, but CC was obtained in electronic format from WIPO at CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 0 A; 9 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941  
| | | | | | | | | |  
Db 3 TCCTCTCTCTCT 13

RESULT 2376  
ABC63714  
ID ABC63714 standard; DNA; 13 BP.  
XX AC ABC63714;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 63731 for detecting SNP TSC0016828.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 63731; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
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 XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 946 GTTTAATGTA 956  
 Db 2 GTTTAATGTA 12  
 |||||  
 |||||  
 RESULT 2377  
 ABC16201/C  
 ID ABC16201 standard; DNA; 13 BP.  
 XX AC ABC16201;  
 XX 20-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 16208 for detecting SNP TSC0003545.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 16208; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 XX Best Local Similarity 90.9%; Pred No. 1.3e+03;  
 XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 907 ATTTTCTTGG 917  
 Db 12 ATTTTCTTGG 2  
 |||||  
 |||||  
 RESULT 2378  
 ABC66732  
 ID ABC66732 standard; DNA; 13 BP.  
 XX AC ABC66732;  
 XX 21-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 66749 for detecting SNP TSC0017501.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 66749; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 0 C; 2 G; 9 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGTTAT 957  
Db 2 GTTTAATGTTT 12  
|||||  
RESULT 2379  
ABF26356  
ID ABF26356 standard; DNA; 13 BP.  
XX AC ABF26356;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 126353 for detecting SNP TSC0031615.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX OS  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 126353; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX

SQ Sequence 13 BP; 3 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 946 GGTTTAATGTA 956  
Db 1 GGTTTAATTTA 11  
|||||  
RESULT 2380  
ABF31638  
ID ABF31638 standard; DNA; 13 BP.  
XX AC ABF31638;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 131635 for detecting SNP TSC0032855.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX OS  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB0000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 131635; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 908 TTTTCTTTGTT 918  
Db 1 TTTTCTTTGTT 11  
|||||  
RESULT 2381  
ABF31787/c

```

ID ABF31787 standard; DNA; 13 BP.
XX AC ABF31787;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 131784 for detecting SNP TSC0032896.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131784; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 940 TTCATTGGTTT 950
DB 12 TTGATTGGTTT 2
|||||
RESULT 2382
ABF36952
ID ABF36952 standard; DNA; 13 BP.
XX AC ABF36952;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 136949 for detecting SNP TSC0034226.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 131784; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 4 C; 0 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 940 TTCATTGGTTT 950
DB 12 TTGATTGGTTT 2
|||||
RESULT 2382
ABF36952
ID ABF36952 standard; DNA; 13 BP.
XX AC ABF36952;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 136949 for detecting SNP TSC0034226.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 136949; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 947 GTTTAATGTAT 957
DB 2 GTTTAATGTAT 12
|||||
RESULT 2383
ABH18281/C
ID ABH18281 standard; DNA; 13 BP.
XX AC ABH18281;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 218258 for detecting SNP TSC0053052.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 136949; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
OY 947 GTTTAATGTAT 957
DB 2 GTTTAATGTAT 12
|||||

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DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 218258; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTGGTCTTTG 923  
DB 11 TTGGTATTTG 1  
RESULT 2384  
ID ABH18709 standard; DNA; 13 BP.  
XX  
AC ABH18709;  
XX  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 218686 for detecting SNP TSC0053188.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 218686; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,

CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 934 CTCTCTTTCAT 944  
DB 1 CTACTCTTTCAT 11  
RESULT 2385  
ID ABF43684 standard; DNA; 13 BP.  
XX  
AC ABF43684;  
XX  
DT 21-FEB-2002 (first entry)  
DE Oligonucleotide SEQ ID NO 143681 for detecting SNP TSC0036076.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 143681; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 1 C; 2 G; 7 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.3%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;



PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 199596; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 7 A; 4 C; 1 G; 1 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTCTTTGGT 918  
DB 11 TTTTCGTTGGT 1  
RESULT 2389  
ABH26157  
ID ABH26157 standard; DNA; 13 BP.  
XX  
AC ABH26157;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 226134 for detecting SNP TSC0055119.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
AC ABH26157;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 226134 for detecting SNP TSC0055119.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
AC ABH26157;  
XX  
DT 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX  
PS Claim 1; SEQ ID NO 226134; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 924 CCTTTATCCC 934  
DB 1 CCATTTATCCC 11  
RESULT 2390  
ABH02534/C  
ID ABH02534 standard; DNA; 13 BP.  
XX  
AC ABH02534;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 202511 for detecting SNP TSC0049776.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
AC ABH02534;  
XX  
DT 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 202511; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 2 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 924 CCTTTATCCC 934  
DB 1 CCATTTATCCC 11

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
    Query Match      12.9%; Score 9.4; DB 1; Length 13;
    Best Local Similarity 90.9%; Pred. No. 1.3e+03;
    Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTTC 942
Db 12 CTCCTCTCTTC 2

RESULT 2391
ABF53197
ID ABF53197 standard; DNA; 13 BP.
XX
AC ABF53197;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 153194 for detecting SNP TSC0038712.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 153194; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABT00010-ABT82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 918 TCTTTGCCCTTT 928
Db 2 TCTTTGCCCTTT 12

RESULT 2393
ABH37215/C
ID ABH37215 standard; DNA; 13 BP.
XX
AC ABH37215;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 237192 for detecting SNP TSC0057848.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW

```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 237192; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 1 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
Qy 945 TGGTTTATGTAT 957  
Db 13 TGGTTTATGTAT 1  
RESULT 2394  
ABF63911/C  
ID ABF63911 standard; DNA; 13 BP.  
XX  
XX ABF63911;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 163908 for detecting SNP TSC0041159.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 163908; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 943 ATTGGTTTAAAT 953  
Db 11 ATTGGTTTAAAT 1  
RESULT 2395  
ABF91551/C  
ID ABF91551 standard; DNA; 13 BP.  
XX  
XX ABF91551;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 191548 for detecting SNP TSC0047136.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 191548; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 7 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

Db 12 GTGTAATGAT 2

RESULT 2396

ABH41756/c  
 ID ABH41756 standard; DNA; 13 BP.

AC ABH41756;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 241733 for detecting SNP TSC0058949.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 241733; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 0 C; 8 G; 0 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCTCTCTCTT 941

Db 13 TCCTCTCTCTT 3

RESULT 2397

ABH46224  
 ID ABH46224 standard; DNA; 13 BP.

XX AC ABH46224;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 246201 for detecting SNP TSC0060161.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 246201; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 0 C; 2 G; 9 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922

Db 1 TTTTGGGATTY 13

RESULT 2398

ABH51302/c  
 ID ABH51302 standard; DNA; 13 BP.

XX

XX ABH51302;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 251279 for detecting SNP TSC0061339.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 253876; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 1 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
Qy 946 GGTTTAAATGATC 958  
Db ||||| ||| :  
13 GGTATTGAATY 1  
RESULT 2400  
ABH57301/C  
ID ABH57301 standard; DNA; 13 BP.  
XX AC ABH57301;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 257278 for detecting SNP TSC0062622.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX

AC ABH51302;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 251279 for detecting SNP TSC0061339.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 251279; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 13 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 1 Other;  
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 920 TTGCTTTTA 930  
Db ||||| ||| :  
11 TTTCCTTTTA 1  
RESULT 2399  
ABH53899/C  
ID ABH53899 standard; DNA; 13 BP.  
XX AC ABH53899;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 253876 for detecting SNP TSC0061899.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 257278; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 945 TGGTTTAATGTAT 957  
 Db 13 TGGTTTAATGTAT 1

RESULT 2401

ID ABH65662 standard; DNA; 13 BP.

AC ABH65662;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 265639 for detecting SNP TSC0064381.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PP 06-APR-2001; 2001WO-IB000713.

PP 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 265639; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 0 C; 2 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 30.3%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTAT 957  
 Db 3 GTTAAATTTAT 13

RESULT 2402

ABC92838

ID ABC92838 standard; DNA; 13 BP.

AC ABC92838;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 92855 for detecting SNP TSC0023219.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

PP 06-APR-2001; 2001WO-IB000713.

PP 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 92855; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 2 A; 0 C; 4 G; 7 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917





```
PR 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
PA Olek A, Piepenbrock C, Berlin K;
PI WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 97665; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 9 A; 0 C; 4 G; 0 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 905 TCGTTTAAATGT 915
Db 12 TCGTTTAAATAT 11
RESULT 2406
ABCF01246/c
ID ABF01246 standard; DNA; 13 BP.
XX
XX ABF01246;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 101243 for detecting SNP TSC0025200.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 101243; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 945 TCGTTTAAATGT 955
Db 1 TCGTTTAAATAT 11
RESULT 2406
ABCF6020/c
ID ABCF6020 standard; DNA; 13 BP.
XX
XX ABCF6020;
XX
XX 21-FEB-2002 (first entry)
XX
XX Oligonucleotide SEQ ID NO 76037 for detecting SNP TSC0019473.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIC-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 76037; 29pp + Sequence Listing; German.
XX
```

```
XX
SQ Sequence 13 BP; 4 A; 0 C; 8 G; 1 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 929 TATCCCTCCTC 939
Db 12 TCTCCCTCCTC 2
RESULT 2408
ABC76272/c
ID ABC76272 standard; DNA; 13 BP.
XX
AC ABC76272;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 76289 for detecting SNP TSC0019520.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 76289; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935
Db 13 CATTTATCCCT 3
RESULT 2409
ABC76825/c
ID ABC76825 standard; DNA; 13 BP.
XX
AC ABC76825;
XX
DT 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 76842 for detecting SNP TSC0019632.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
```

XX	WPI; 2001-657177/75.
XX	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
PT	
XX	
PS	Claim 1; SEQ ID NO 103496; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC000010
CC	-ABG59989, ABF00010-ABF99989, ABE00010-ABE99989 and ABH00010-ABH82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	960 CTACCAACGGT 970
DB	
	3 CTACCAACGTT 13
RESULT 2412	
ABF03755/c	
ID	ABF03755 standard; DNA; 13 BP.
XX	
AC	ABF03755;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 103752 for detecting SNP TSC0025946.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB0000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Fliepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 103752; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC000010
CC	-ABG59989, ABF00010-ABF99989, ABE00010-ABE99989 and ABH00010-ABH82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	960 CTACCAACGGT 970
DB	
	3 CTACCAACGTT 13
RESULT 2412	
ABF03755/c	
ID	ABF03755 standard; DNA; 13 BP.
XX	
AC	ABF03755;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 103752 for detecting SNP TSC0025946.
XX	
KW	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
PF	06-APR-2001; 2001WO-IB0000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Fliepenbrock C, Berlin K;
XX	
DR	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 103752; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC000010
CC	-ABG59989, ABF00010-ABF99989, ABE00010-ABE99989 and ABH00010-ABH82073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
SQ	Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	960 CTACCAACGGT 970
DB	
	3 CTACCAACGTT 13
RESULT 2412	
ABF03755/c	
ID	ABF03755 standard; DNA; 13 BP.
XX	
AC	ABF03755;
XX	
DT	21-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 103752 for detecting SNP TSC0025946.

CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 903 GGTCATTTCTTT 915  
DB 13 GTGATTTTCTTT 1  
  
RESULT 2413  
ABC29149/c  
ID ABC29149 standard; DNA; 13 BP.  
XX  
AC ABC29149;  
XX  
DT 20-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 29166 for detecting SNP TSC0008537.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
PS Claim 1; SEQ ID NO 29166; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 1 C; 0 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 943 ATTGGTTTAAAT 953  
DB 12 ATTAGTTTAAAT 2  
  
RESULT 2414  
ABC54213  
ID ABC54213 standard; DNA; 13 BP.  
XX  
AC ABC54213;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 54230 for detecting SNP TSC0014889.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
PS Claim 1; SEQ ID NO 54230; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 928 TTATCTCTCTCT 938  
DB 2 TTATCTCTCTCT 12  
  
RESULT 2415  
ABC79371/c  
ID ABC79371 standard; DNA; 13 BP.  
XX  
AC ABC79371;  
XX

```

DT 21-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 79388 for detecting SNP TSC0020177.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
OS Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB0000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 79388; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Claim 1; SEQ ID NO 79388; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTTGCTCTTG 923
DB 11 TTTGCTCTTG 1
RESULT 2416
ABF06323/c
ID ABF06323 standard; DNA; 13 BP.
XX AC ABF06323;
XX 21-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 106320 for detecting SNP TSC0026646.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 106320; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 913 TTTGCTCTTG 923
DB 11 TTTGCTCTTG 1
RESULT 2417
ABC10379
ID ABC10379 standard; DNA; 13 BP.
XX AC ABC10379;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 10370 for detecting SNP TSC0002630.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 106320; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 13 TTTTATTGGT 3
RESULT 2417
ABC10379
ID ABC10379 standard; DNA; 13 BP.
XX AC ABC10379;
XX 20-FEB-2002 (first entry)
XX Oligonucleotide SEQ ID NO 10370 for detecting SNP TSC0002630.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 106320; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 908 TTTTCTTTGGT 918
DB 13 TTTTATTGGT 3

```

```
PT methylation status.
PS Claim 1; SEQ ID NO 10370; 29pp + Sequence Listing; German.
XX
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 5 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 956 ATCGCTACCAA 966
XX | | | | |
XX 3 ACCGCTACCAA 13
XX
XX RESULT 2418
XX ABC11857/c
XX ID ABC11857 standard; DNA; 13 BP.
XX AC ABC11857;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 11864 for detecting SNP TSC0002853.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX XX 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PS 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 11864; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 5 A; 5 C; 1 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 956 ATCGCTACCAA 966
XX | | | | |
XX 3 ACCGCTACCAA 13
XX
XX RESULT 2419
XX ABC12222
XX ID ABC12222 standard; DNA; 13 BP.
XX AC ABC12222;
XX
XX DT 20-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 12229 for detecting SNP TSC0002910.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX XX 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PS 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 12229; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 947 GTTAAATGAT 957
XX | | | | |
XX 1 GTTGAATGAT 11
XX
```

KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
PN	WO200177384-A2.
XX	
PD	18-OCT-2001.
XX	
XX	06-APR-2001; 2001WO-IB000713.
XX	
PR	07-APR-2000; 2000DE-01019173.
XX	
PA	(EPIG-) EPIGENOMICS AG.
XX	
PI	Olek A, Piepenbrock C, Berlin K;
XX	
XX	WPI; 2001-657177/75.
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
PS	Claim 1; SEQ ID NO 124036; 29pp + Sequence Listing; German.
XX	
CC	This invention describes novel oligonucleotide primers or peptide nucleic
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-AB099899, ABF00010-ABF99389, ABH00010-ABH99389 and ABT00010-ABT92073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences

XX	ABF25461;	
XX	AC	
XX	21-FEB-2002 (first entry)	
XX	DT	
XX	DE	
XX	Olignonucleotide SEQ ID NO 125458 for detecting SNP TSC0031370.	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;	
XX	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;	
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.	
XX		
OS	Homo sapiens.	
XX		
XX	WO200177384-A2.	
XX		
XX	18-OCT-2001.	
XX		
XX	06-APR-2001; 2001WO-IB0000713..	
XX	PF	
XX	07-APR-2000; 2000DE-01019173.	
XX		
XX		



PA (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 125458; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTAAAT 953  
DB 12 ATTGGTTAAAT 2  
RESULT 2423  
ABF32542/c  
ID ABF32542 standard; DNA; 13 BP.  
XX  
XX ABF32542;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 132539 for detecting SNP TSC0033059.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 132539; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTAAAT 953  
DB 12 ATTGGTTAAAT 2  
RESULT 2423  
ABF32542/c  
ID ABF32542 standard; DNA; 13 BP.  
XX  
XX ABF32542;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 132539 for detecting SNP TSC0033059.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 132539; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 7 A; 2 C; 0 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 932 CCTCTCTCTTC 942  
DB 13 CCTCTCTCTTC 3  
RESULT 2424  
ABF42385  
ID ABF42385 standard; DNA; 13 BP.  
XX  
XX ABF42385;  
XX  
XX 21-FEB-2002 (first entry)  
XX  
XX Oligonucleotide SEQ ID NO 142382 for detecting SNP TSC0035690.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 142382; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABT00010-ABT82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 1 A; 4 C; 0 G; 8 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 932 CCTCTCTCTTC 942  
DB 13 CCTCTCTCTTC 3

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 905 TCATTTTCCTTT 915  
Db 1 TCATTTTCCTTT 11

## RESULT 2425

ABF43102

ID ABF43102 standard; DNA; 13 BP.

XX AC ABF43102;

XX 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 143099 for detecting SNP TSC0035891.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.

OS Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 143099; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 1 A; 0 C; 3 G; 9 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 913 TTTGGTCTTTG 923  
Db 1 TTTGGTATTTG 11

## RESULT 2426

ABF93271/c

ID ABF93271 standard; DNA; 13 BP.

XX ABF93271;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide SEQ ID NO 193268 for detecting SNP TSC0047550.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 193268; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 5 A; 3 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 949 TTAATGTATCG 959  
Db 12 TTAATGTATCG 2

## RESULT 2427

ABH20303

ID ABH20303 standard; DNA; 13 BP.

XX AC ABH20303;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 220280 for detecting SNP TSC0053606.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 195994; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABJ00010-ABJ9989  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 0 A; 7 C; 2 G; 4 T; 0 U; 0 Other;  
SQ  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 332 CCTCTCTCTTC 942  
Db 2 CCTCTCTCTTC 12  
|||||  
  
RESULT 2429  
ABF72080/C  
ID ABF72080 standard; DNA; 13 BP.  
XX  
XX AC ABF72080;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide SEQ ID NO 172077 for detecting SNP TSC0005766.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; as;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-1B000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 172077; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the invention. NOTE: The sequence  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 9 A; 0 C; 3 G; 1 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 921 TTGCCTTTTAT 931  
DB 12 TTTCCTTTTAT 2  
  
RESULT 2430  
ABF48210  
ID ABF48210 standard; DNA; 13 BP.  
XX  
AC ABF48210;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 148207 for detecting SNP TSC0037419.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIC-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 148207; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the invention. NOTE: The sequence  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
QY 921 TTGCCTTTTAT 931  
DB 12 TTTCCTTTTAT 2  
  
RESULT 2430  
ABF48210  
ID ABF48210 standard; DNA; 13 BP.  
XX  
AC ABF48210;  
XX  
DT 21-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 148207 for detecting SNP TSC0037419.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIC-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 148207; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the invention. NOTE: The sequence  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 1 C; 2 G; 7 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTTAATGTAT 957  
DB 1 GTTTAATGTAT 11  
  
RESULT 2431  
ABF73485/C  
ID ABF73485 standard; DNA; 13 BP.  
XX  
AC ABF73485;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 173482 for detecting SNP TSC0043214.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIC-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 173482; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the invention. NOTE: The sequence  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
  
QY 909 TTCTTTTGCTT 921  
DB 13 TTATTGTGTTT 1  
  
RESULT 2432  
ABF48527  
ID ABF48527 standard; DNA; 13 BP.  
XX  
AC ABF48527;  
XX  
DT 21-FEB-2002 (first entry)  
XX

DE Oligonucleotide SEQ ID NO 148524 for detecting SNP TSC0037485.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 148524; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 4 A; 5 C; 1 G; 3 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 960 CTACCAACGGT 970  
Db 3 CTACCAACCGT 13  
RESULT 2433  
ABH26961/c  
ID ABH26961 standard; DNA; 13 BP.  
XX  
XX ABH26961;  
AC  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide SEQ ID NO 226938 for detecting SNP TSC0055323.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF

XX Oligonucleotide SEQ ID NO 148524 for detecting SNP TSC0037485.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 226938; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 946 GGTTTAATGTA 956  
Db 13 GTTTAATGTA 3  
RESULT 2434  
ABH27292/c  
ID ABH27292 standard; DNA; 13 BP.  
XX  
XX ABH27292;  
AC  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide SEQ ID NO 227269 for detecting SNP TSC0055438.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
OS  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
PF

PS Claim 1; SEQ ID NO 227269; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTCCTT 915  
Db 12 TCATTATCTT 2

RESULT 2435  
ABH27853  
ID ABH27853 standard; DNA; 13 BP.  
XX AC ABH27853;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 227830 for detecting SNP TSC0055556.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX Claim 1; SEQ ID NO 227830; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTGCTTTTATC 932  
Db 13 TTGAGTTTATY 1

CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 930 ATCCCTCCTCT 940  
Db 3 ATCCCTCCTCT 13

RESULT 2436  
ABH03115/C  
ID ABH03115 standard; DNA; 13 BP.  
XX AC ABH03115;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 203092 for detecting SNP TSC0049880.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.  
XX Claim 1; SEQ ID NO 203092; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 920 TTGCTTTTATC 932  
Db 13 TTGAGTTTATY 1

XX	Homo sapiens.
OS	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	06-APR-2001; 2001WO-IB0000713.
PF	
XX	07-APR-2000; 2000DE-01019173.
XX	
XX	(EPIG-) EPIGENOMICS AG.
XX	
XX	Olek A, Piepenbrock C, Berlin K;
PI	
XX	WPI; 2001-657177/75.
DR	
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is
PT	designed to detect single-nucleotide polymorphisms and cytosine
PT	methylation status.
XX	
XX	Claim 1; SEQ ID NO 229253; 29pp + Sequence Listing; German.
PS	
XX	This invention describes novel oligonucleotide primers or peptide nucleic
XX	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC	and cytosine methylation status in chemically pretreated genomic DNA. The
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC	range of diseases including immune system, gastrointestinal, respiratory,
CC	central nervous system, cardiovascular and metabolic disorders. The
CC	oligomers are also used for detecting cell type differentiation. ABC00010
CC	-ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI02073
CC	represent the oligomers described in the invention. NOTE: The sequence
CC	data for this patent did not form part of the printed specification, but
CC	was obtained in electronic format from WIPO at
CC	ftp.wipo.int/pub/published_pct_sequences
XX	
XX	Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ	
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	944 TTGGTTTAATG 954
Db	2 TAGGTTTAATG 12
RESULT 2439	
ABH29277/C	
ID	ABH29277 standard; DNA; 13 BP.
AC	
XX	ABH29277;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 229254 for detecting SNP TSC0055935.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
XX	WO200177384-A2.
PN	
XX	18-OCT-2001.
PD	
XX	06-APR-2001; 2001WO-IB0000713.
PF	
XX	
XX	(EPIG-) EPIGENOMICS AG.
XX	
XX	
PA	
XX	

XX	Homo sapiens.
OS	
XX	WO200177384-A2.
PN	
XX	ABH28111;
AC	
XX	ABH28111;
DT	
XX	22-FEB-2002 (first entry)
DE	
XX	Oligonucleotide SEQ ID NO 228088 for detecting SNP TSC0055622.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
XX	18-OCT-2001.
PF	
XX	06-APR-2001; 2001WO-IB0000713.
PR	
XX	07-APR-2000; 2000DE-01019173.
PA	(EPIG-) EPIGENOMICS AG.
PI	Olek A, Piepenbrock C, Berlin K;
PX	
XX	WPI; 2001-657177/75.
DR	
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
PT	
PS	Claim 1; SEQ ID NO 229253; 29pp + Sequence Listing; German.
CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
CC	
XX	Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
SQ	
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	944 TTGGTTTAATG 954
DB	
	2 TAGGTTTAATG 12
RESULT 2438	
ABH29277/c	
ID	ABH29277 standard; DNA; 13 BP.
XX	
AC	ABH29277;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 229254 for detecting SNP TSC0055935.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX	
OS	Homo sapiens.
XX	
PN	WO200177384-A2.
XX	
XX	18-OCT-2001.
PF	
XX	06-APR-2001; 2001WO-IB0000713.
PR	
XX	07-APR-2000; 2000DE-01019173.
PA	(EPIG-) EPIGENOMICS AG.
PI	Olek A, Piepenbrock C, Berlin K;
PX	
XX	WPI; 2001-657177/75.
DR	
XX	
PT	Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.
PT	
PS	Claim 1; SEQ ID NO 228088; 29pp + Sequence Listing; German.
CC	This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published_pct_sequences
CC	
XX	Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
SQ	
	Query Match 12.9%; Score 9.4; DB 1; Length 13;
	Best Local Similarity 90.9%; Pred. No. 1.3e+03;
	Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY	943 ATGCGTTTAAAT 953
DB	
	11 ATGCGTTTAAAT 1
RESULT 2438	
ABH29276	
ID	ABH29276 standard; DNA; 13 BP.
XX	
AC	ABH29276;
XX	
DT	22-FEB-2002 (first entry)
XX	
DE	Oligonucleotide SEQ ID NO 229253 for detecting SNP TSC0055935.
XX	
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW	central nervous system; gastrointestinal; respiratory; immune; metabolic.

PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 229254; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 1; Indels 0; Gaps 0;  
 Matches 10; Conservative 0;  
 QY 944 TTGGTTTAATG 954  
 Db 12 TAGGTTTAATG 2  
 |||||  
 RESULT 2440  
 ABH07784  
 ID ABH07784 standard; DNA; 13 BP.  
 XX  
 XX ABH07784;  
 XX  
 XX 22-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 207761 for detecting SNP TSC0050805.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 207761; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 6 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
 SQ

CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03; Mismatches 1; Indels 0; Gaps 0;  
 Matches 10; Conservative 0;  
 QY 945 TGCTTTAATGT 955  
 Db 1 TGCTTTAATGT 11  
 |||||  
 RESULT 2441  
 ABF57798/c  
 ID ABF57798 standard; DNA; 13 BP.  
 XX  
 XX ABF57798;  
 XX  
 XX 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 157795 for detecting SNP TSC0039743.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 157795; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;



XX	22-FEB-2002	(first entry)	
DT			
XX	Oligonucleotide	SEQ ID NO 185685 for detecting SNP TSC0045759.	
DE			
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;		
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.		
XX			
XX	Homo sapiens.		
OS			
XX	WO200177384-A2.		
XX			
XX	18-OCT-2001.		
XX			
XX	06-APR-2001; 2001WO-IB000713.		
PP			
XX	07-APR-2000; 2000DE-01019173.		
XX			
XX	(EPIG-) EPIGENOMICS AG.		
XX			
XX	Olek A, Piepenbrock C, Berlin K;		
XX			
XX	WPI; 2001-657177/75.		
XX			
XX	Set of oligonucleotides, useful for diagnosis and cell typing, is		
PT	designed to detect single-nucleotide polymorphisms and cytosine		
PT	methylation status.		
XX			
XX	Claim 1; SEQ ID NO 185685; 29bp + Sequence Listing; German.		
PS			
XX	This invention describes novel oligonucleotide primers or peptide nucleic		
CC	acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)		
CC	and cytosine methylation status in chemically pretreated genomic DNA. The		
CC	oligonucleotides are used for diagnosis and/or prognosis of cancer and a		
CC	range of diseases including immune system, gastrointestinal, respiratory,		
CC	central nervous system, cardiovascular and metabolic disorders. The		
CC	oligomers are also used for detecting cell type differentiation. ABC00010		
CC	-ABCG9989, ABF00010-ABF99989, ABH00010-ABH99989, and ABI00010-ABI82073		
CC	represent the oligomers described in the invention. NOTE: The sequence		
CC	data for this patent did not form part of the printed specification, but		
CC	was obtained in electronic format from WIPO at		
CC	ftp.wipo.int/pub/published_pct_sequences		
XX			
XX	Sequence 13 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 1 Other;		
SQ			
	Query Match	12.9%; Score 9.4; DB 1; Length 13;	
	Best Local Similarity	76.9%; Pred. No. 1.3e+03;	
	Matches 10; Conservative	1; Mismatches 2; Indels 0; Gaps 0;	
QY	945 TGGTTTATGTCAT	957	
		:	
DB	1 TGGTTTATGGAY	13	
RESULT 2444			
ABH11657/c			
ID	ABH11657 standard; DNA; 13 BP.		
XX			
XX	AC		
XX	ABH11657;		
XX			
XX	22-FEB-2002 (first entry)		
DT			
XX	Oligonucleotide	SEQ ID NO 211634 for detecting SNP TSC0051609.	
XX			
XX	SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;		
KW	peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;		
XX	central nervous system; gastrointestinal; respiratory; immune; metabolic.		
XX			
XX	Homo sapiens.		
OS			
XX	WO200177384-A2.		
XX			

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PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 211634; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 943 ATTGGTTTAAT 953
Db 13 ATTGGTTTAAT 3
RESULT 2445
ABH12347/C
ID ABH12347 standard; DNA; 13 BP.
XX
XX AC ABH12347;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 212324 for detecting SNP TSC0051719.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 214459; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAATGTAT 957
Db 13 TGGTTTITGTAY 1
RESULT 2446
ABH14482
ID ABH14482 standard; DNA; 13 BP.
XX
XX AC ABH14482;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide SEQ ID NO 214459 for detecting SNP TSC0052165.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 214459; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 13 BP; 8 A; 3 C; 0 G; 1 T; 0 U; 1 Other;
SQ
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 945 TGGTTTAATGTAT 957
Db 13 TGGTTTITGTAY 1
```

CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 3 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 952 ATGATCGCTA 962  
|||||||  
DB 1 ATGATCGCTA 11

RESULT 2447  
ABH16020  
ID ABH16020 standard; DNA; 13 BP.  
XX  
AC ABH16020;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 215997 for detecting SNP TSC0052522.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.

06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
PS Claim 1; SEQ ID NO 215997; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences

Sequence 13 BP; 5 A; 0 C; 2 G; 6 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 943 ATGGTTTAAT 953  
|||||||

Db 1 ATTGGTATAAT 11  
RESULT 2448  
ABH41300/c  
ID ABH41300 standard; DNA; 13 BP.  
XX  
AC ABH41300;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 241277 for detecting SNP TSC0058852.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.

06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
PS Claim 1; SEQ ID NO 241277; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
and cytosine methylation status in chemically pretreated genomic DNA. The  
oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
range of diseases including immune system, gastrointestinal, respiratory,  
central nervous system, cardiovascular and metabolic disorders. The  
oligonucleotides are also used for detecting cell type differentiation. ABC00010  
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
represent the oligomers described in the invention. NOTE: The sequence  
data for this patent did not form part of the printed specification, but  
was obtained in electronic format from WIPO at  
ftp.wipo.int/pub/published\_pct\_sequences

Sequence 13 BP; 6 A; 0 C; 4 G; 3 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 925 CTTTATCCCT 935  
|||||||  
DB 11 CATTATCCCT 1

RESULT 2449  
ABH41555/c  
ID ABH41555 standard; DNA; 13 BP.  
XX  
AC ABH41555;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 241532 for detecting SNP TSC0058904.

SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.

06-APR-2001; 2001WO-IB000713.  
07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is  
designed to detect single-nucleotide polymorphisms and cytosine  
methylation status.  
PS Claim 1; SEQ ID NO 241532; 29pp + Sequence Listing; German.



CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 946 GGTGTTAATGATC 958  
 Db 1 GGTGTTAATGATC 13

## RESULT 2452

ABH58822  
 ID ABH58822 standard; DNA; 13 BP.

XX AC ABH58822;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 258799 for detecting SNP TSC0062902.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 258799; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 13 BP; 1 A; 0 C; 4 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 913 TTGGTCTTTG 923  
 Db 2 TTGGTCTTTG 12

## RESULT 2453

ABH60733/c  
 ID ABH60733 standard; DNA; 13 BP.

XX AC ABH60733;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide SEQ ID NO 260710 for detecting SNP TSC0007575.

XX SNF; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 260710; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTATG 954  
 Db 12 TTGGTTTATG 2

## RESULT 2454

ABC42528



CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX  
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
  
Qy 947 GTTATGAT 957  
Db 13 GTTATGAT 3  
|||||  
  
RESULT 2458  
ABC27331/c  
ID ABC27331 standard; DNA; 13 BP.  
XX AC ABC27331;  
XX XX  
XX XX  
DT 20-FEB-2002 (first entry)  
XX XX  
DE Oligonucleotide SEQ ID NO 27348 for detecting SNP TSC0007513.  
XX XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX XX  
OS Homo sapiens.  
XX XX  
XX WO200177384-A2.  
XX XX  
PD 18-OCT-2001.  
XX XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX XX  
PR 07-APR-2000; 2000DE-01019173.  
XX XX  
PA (EPIG-) EPIGENOMICS AG.  
XX XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX XX  
DR WPI; 2001-657177/75.  
XX XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX XX  
PS Claim 1; SEQ ID NO 27348; 29pp + Sequence Listing; German.  
XX XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABF99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX XX  
SQ Sequence 13 BP; 5 A; 5 C; 0 G; 2 T; 0 U; 1 Other;  
  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;





```

PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 30479; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 1 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 76.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
QY 938 TCTTCATTGGTTT 950
DB 1 TATTAAATGGTTY 13
RESULT 2462
ID ABF05985
XX ABF05985 standard; DNA; 13 BP.
XX
AC ABF05985;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 105982 for detecting SNP TSC0026556.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
PF 06-APR-2001; 2001WO-IB0000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 105982; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 2 A; 4 C; 0 G; 7 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e-03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 922 TGCCTTTTATC 932
DB 2 TACCTTTTATC 12
RESULT 2463
ID ABC81438/c
XX ABC81438 standard; DNA; 13 BP.
XX
AC ABC81438;
XX
XX 21-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 81455 for detecting SNP TSC0020625.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB0000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 81455; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX ftp.wipo.int/pub/published_pct_sequences
XX

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CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 935 TCCTCTTCATT 945
Db 13 TCCTCTTCATT 3

RESULT 2464
ABC58137/C
XX ID ABC58137 standard; DNA; 13 BP.
XX AC ABC58137;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 58154 for detecting SNP TSC0015616.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 58154; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 13 BP; 8 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGTT 957
Db 13 GTTAAATGTT 3

CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 7 A; 0 C; 4 G; 2 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 927 TTTATCCCTCC 937
Db 1 TTTATCCCTCC 11

RESULT 2466
ABC85620
XX ID ABC85620 standard; DNA; 13 BP.
XX AC ABC85620;
XX DT 21-FEB-2002 (first entry)
XX DE Oligonucleotide SEQ ID NO 85637 for detecting SNP TSC0021525.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
```

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 85637; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX SQ Sequence 13 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAAAT 953  
DB 2 ATTAGTTTAAAT 12  
RESULT 2467  
ABC85826  
ID ABC85826 standard; DNA; 13 BP.  
XX AC ABC85826;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 85843 for detecting SNP TSC0021564.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX PF 07-APR-2000; 2000DE-01019173.  
XX PR (EPIG-) EPIGENOMICS AG.  
XX FA

XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 85843; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI02073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX SQ Sequence 13 BP; 0 A; 0 C; 3 G; 10 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 908 TTTTCTTTGGT 918  
DB 1 TTTTCTTTGGT 11  
RESULT 2468  
ABC37800  
ID ABC37800 standard; DNA; 13 BP.  
XX AC ABC37800;  
XX DT 20-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 37817 for detecting SNP TSC0011747.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 37817; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 907 ATTTCCTTGG 917  
 |||||  
 Db 2 ATTTCCTTGG 12

RESULT 2469  
 ABC39738  
 ID ABC39738 standard; DNA; 13 BP.  
 XX  
 AC ABC39738;  
 XX  
 DT 20-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 39755 for detecting SNP TSC0012139.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 FN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT

Claim 1; SEQ ID NO 39755; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 1 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCTTT 922  
 |||||  
 Db 1 TTATTGGTATTY 13

RESULT 2470  
 ABC40251  
 ID ABC40251 standard; DNA; 13 BP.  
 XX  
 AC ABC40251;  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide SEQ ID NO 40268 for detecting SNP TSC0012231.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX

Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT

Claim 1; SEQ ID NO 40268; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 13 BP; 4 A; 4 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 955 TATCGCTACCA 965  
 |||||  
 Db 3 TATCGCTAACA 13

RESULT 2471  
 ABF15751/c  
 ID ABF15751 standard; DNA; 13 BP.  
 XX

AC ABF15751;  
 XX  
 XX  
 DT 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 115748 for detecting SNP TSC0029020.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 115748; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 10 A; 3 C; 0 G; 0 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 908 TTTTCTTTGGT 918  
 DB 12 TTTTGGTTGGT 2  
 RESULT 2472  
 ABC42114  
 ID ABC42114 standard; DNA; 13 BP.  
 XX  
 XX ABC42114;  
 AC  
 XX 21-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide SEQ ID NO 42131 for detecting SNP TSC0012592.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN

XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 42131; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 13 BP; 1 A; 0 C; 4 G; 7 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 946 GGTTTAATGTATC 958  
 DB 1 GGTTTGATGTTT 13  
 RESULT 2473  
 ABC66733/C  
 ID ABC66733 standard; DNA; 13 BP.  
 XX  
 XX ABC66733;  
 AC  
 XX 21-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide SEQ ID NO 66750 for detecting SNP TSC0017501.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB0000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

PS Claim 1; SEQ ID NO 66750; 29pp + Sequence Listing; German.

XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 9 A; 2 C; 0 G; 2 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

Db 12 GTTAAATGTT 2

RESULT 2474

ABF19574/C

ID ABF19574 standard; DNA; 13 BP.

AC ABF19574;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 119571 for detecting SNP TSC0029845.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 119571; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 4 A; 1 C; 5 G; 2 T; 0 U; 1 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 934 CTCCTCTTCAT 944

Db 11 CTCCTCTTCAT 1

RESULT 2475

ABF20582

ID ABF20582 standard; DNA; 13 BP.

AC ABF20582;

DT 21-FEB-2002 (first entry)

DE Oligonucleotide SEQ ID NO 120579 for detecting SNP TSC0030084.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 120579; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 13 BP; 3 A; 0 C; 1 G; 9 T; 0 U; 0 Other;

XX Query Match 12.9%; Score 9.4; DB 1; Length 13;  
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 947 GTTAAATGAT 957

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 XX  
 XX PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 128732; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX SQ Sequence 13 BP; 9 A; 2 C; 0 G; 1 T; 0 U; 1 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 Qy 920 TTGCGCTTTTATC 932  
 Db 13 TTGTGCTTTTATY 1  
 RESULT 2476  
 ABF32538/C  
 ID ABF32538 standard; DNA; 13 BP.  
 XX  
 XX AC ABF32538;  
 XX  
 XX 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 132535 for detecting SNP TSC0033059.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 XX  
 XX PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX

Db 2 GTTTAATTAT 12  
 RESULT 2476  
 ABF25462  
 ID ABF25462 standard; DNA; 13 BP.  
 XX  
 XX AC ABF25462;  
 XX  
 XX 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 125459 for detecting SNP TSC0031370.  
 XX  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 XX  
 XX PD 18-OCT-2001.  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 125459; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 943 ATTGGTTTAAAT 953  
 Db 2 ATTGGTTTAAAT 12  
 RESULT 2477  
 ABF28735/C  
 ID ABF28735 standard; DNA; 13 BP.  
 XX  
 XX AC ABF28735;  
 XX  
 XX 21-FEB-2002 (first entry)  
 XX  
 XX Oligonucleotide SEQ ID NO 128732 for detecting SNP TSC0032227.  
 XX





XX SQ Sequence 13 BP; 8 A; 0 C; 3 G; 2 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 905 TCATTTCCTTT 915  
Db 13 TCATTTCCTTT 3  
RESULT 2481  
ABF42387  
ID ABF42387 standard; DNA; 13 BP.  
XX AC ABF42387;  
XX DT 21-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 142384 for detecting SNP TSC0035690.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX PS Claim 1; SEQ ID NO 142384; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX CC range of diseases including immune system, gastrointestinal, respiratory,  
XX CC central nervous system, cardiovascular and metabolic disorders. The  
XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX CC represent the oligomers described in the invention. NOTE: The sequence  
XX CC data for this patent did not form part of the printed specification, but  
XX CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 2 A; 3 C; 0 G; 8 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 905 TCATTTCCTTT 915  
Db 1 TCATTTCCTTT 11  
RESULT 2482

ABH18280  
ID ASH18280 standard; DNA; 13 BP.  
XX AC ASH18280;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 218257 for detecting SNP TSC0053052.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX PT designed to detect single-nucleotide polymorphisms and cytosine  
XX PT methylation status.  
XX PS Claim 1; SEQ ID NO 218257; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The  
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX CC range of diseases including immune system, gastrointestinal, respiratory,  
XX CC central nervous system, cardiovascular and metabolic disorders. The  
XX CC oligomers are also used for detecting cell type differentiation. ABC00010  
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX CC represent the oligomers described in the invention. NOTE: The sequence  
XX CC data for this patent did not form part of the printed specification, but  
XX CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 13 BP; 3 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 913 TTTGGTCTTTG 923  
Db 3 TTTGGTCTTTG 13  
RESULT 2483  
ABF93666  
ID ABF93666 standard; DNA; 13 BP.  
XX AC ABF93666;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide SEQ ID NO 193663 for detecting SNP TSC0047644.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX XX



```
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 1 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 76.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 948 TTTAATGTATGC 960
Db 13 TATAATGTATAGY 1
   |||||
   |||||

RESULT 2486
ABH01945
ID ABH01945 standard; DNA; 13 BP.
XX
AC ABH01945;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 201922 for detecting SNP TSC0049639.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 201922; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 4 A; 2 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 948 TTTAATGTATGC 960
Db 13 TATAATGTATAGY 1
   |||||
   |||||

RESULT 2487
ABH02045
ID ABH02045 standard; DNA; 13 BP.
XX
AC ABH02045;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202022 for detecting SNP TSC0049666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 202022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 948 TTTAATGTATGC 958
Db 3 TTTAATCTATC 13
   |||||
   |||||

RESULT 2488
ABH27351/C
ID ABH27351 standard; DNA; 13 BP.
XX
AC ABH27351;
XX
```

```
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 948 TTTAATGTATC 958
Db 1 TTTAATCTATC 11
   |||||
   |||||

RESULT 2487
ABH02045
ID ABH02045 standard; DNA; 13 BP.
XX
AC ABH02045;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide SEQ ID NO 202022 for detecting SNP TSC0049666.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 202022; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 3 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

  Query Match      12.9%; Score 9.4; DB 1; Length 13;
  Best Local Similarity 90.9%; Pred. No. 1.3e+03;
  Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 948 TTTAATGTATC 958
Db 3 TTTAATCTATC 13
   |||||
   |||||

RESULT 2488
ABH27351/C
ID ABH27351 standard; DNA; 13 BP.
XX
AC ABH27351;
XX
```

DT 22-FEB-2002 (first entry)  
 XX Oligonucleotide SEQ ID NO 227328 for detecting SNP TSC0004949.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW  
 XX Homo sapiens.  
 XX  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIC-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 227328; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 1 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 QY 945 TGGTTTAATGTAT 957  
 DB 13 TGGTTTATATAY 1  
 RESULT 2489  
 ABH02910  
 ID ABH02910 standard; DNA; 13 BP.  
 AC ABH02910;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide SEQ ID NO 202887 for detecting SNP TSC0008365.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX

XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIC-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT  
 XX Claim 1; SEQ ID NO 202887; 29pp + Sequence Listing; German.  
 PS  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 CC  
 XX Sequence 13 BP; 3 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 943 ATTGTTTAAAT 953  
 DB 1 ATTGTTTAAAT 11  
 RESULT 2490  
 ABH03289/c  
 ID ABH03289 standard; DNA; 13 BP.  
 AC ABH03289;  
 XX  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide SEQ ID NO 203266 for detecting SNP TSC0049909.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIC-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 PI  
 XX WPI; 2001-657177/75.  
 DR  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 PT

PT methylation status.  
XX Claim 1; SEQ ID NO 203266; 29pp + Sequence Listing; German.  
PS  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 945 TGGTTTAAATGAT 957  
DB 13 TTGTTTAAATGAT 1  
RESULT 2491  
ABH04896  
ID ABH04896 standard; DNA; 13 BP.  
XX  
AC ABH04896;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 204873 for detecting SNP TSC0050247.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PS  
PS Claim 1; SEQ ID NO 204873; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 1 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAAAT 953  
DB 1 ATTGGTTTAAAT 11  
RESULT 2492  
ABH05321/C  
ID ABH05321 standard; DNA; 13 BP.  
XX  
AC ABH05321;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 205298 for detecting SNP TSC0050330.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
PS  
PS Claim 1; SEQ ID NO 205298; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 6 A; 2 C; 0 G; 5 T; 0 U; 0 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 943 ATTGGTTTAAAT 953  
DB 12 ATTGGTTTAAAT 2

```
RESULT 2493
ABH07785/c
ID ABH07785 standard; DNA; 13 BP.
AC ABH07785;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 207762 for detecting SNP TSC0050805.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 207762; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGT 955
XX ||||| |||
XX Db 13 TGGTTTAAATGT 3
XX
XX RESULT 2494
ABH09785/c
ID ABH09785 standard; DNA; 13 BP.
XX
XX AC ABH09785;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 209762 for detecting SNP TSC0051215.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 207762; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 13 BP; 7 A; 4 C; 0 G; 1 T; 0 U; 1 Other;
XX
XX Query Match 12.9%; Score 9.4; DB 1; Length 13;
XX Best Local Similarity 90.9%; Pred. No. 1.3e+03;
XX Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 945 TGGTTTAAATGT 955
XX ||||| |||
XX Db 13 TGGTTTAAATGT 3
XX
XX RESULT 2495
ABH36776/c
ID ABH36776 standard; DNA; 13 BP.
XX
XX AC ABH36776;
XX
XX 22-FEB-2002 (first entry)
DT
DE Oligonucleotide SEQ ID NO 236753 for detecting SNP TSC0057775.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX
```



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Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      946 GGTAAATCTA 956
DB      13 GGTAAATCTA 3
      ||||| |||||
RESULT 2498
ABH13481/c
ID ABH13481 standard; DNA; 13 BP.
XX
AC ABH13481;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 213458 for detecting SNP TSC0051980.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPITG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 213458; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. AEC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 13 BP; 9 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
Query Match      12.9%; Score 9.4; DB 1; Length 13;
Best Local Similarity 90.9%; Pred. No. 1.3e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      913 TTGGTCTTGG 923
DB      12 TTGGTCTTGG 2
      ||||| |||||
RESULT 2499
ABF63724
ID ABF63724 standard; DNA; 13 BP.
XX
AC ABF63724;
XX
DT 22-FEB-2002 (first entry)
DE Oligonucleotide SEQ ID NO 241230 for detecting SNP TSC0058839.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
```



PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
PF 06-APR-2001; 2001WO-IB0000713.  
PR 07-APR-2000; 2000DE-01019173.  
PA (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 241230; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 76.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
XX  
QY 946 GGTGTTAAATGTC 958  
DB 13 GGTGTTAAATTTT 1  
XX  
RESULT 2501  
ABH47704  
ID ABH47704 standard; DNA; 13 BP.  
XX  
AC ABH47704;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 247681 for detecting SNP TSC0060535.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
PR 07-APR-2000; 2000DE-01019173.  
PA (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 241230; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 1 Other;

XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 247681; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABJ00010-ABJ82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 13 BP; 4 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
XX  
Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 90.9%; Pred. No. 1.3e+03;  
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
XX  
QY 945 TGGTTTAATGTC 955  
DB 3 TGGTTTAATGTC 13  
XX  
RESULT 2502  
ABH60732  
ID ABH60732 standard; DNA; 13 BP.  
XX  
AC ABH60732;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide SEQ ID NO 260709 for detecting SNP TSC0007575.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB0000713.  
PR 07-APR-2000; 2000DE-01019173.  
PA (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 260709; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 13 BP; 2 A; 0 C; 3 G; 8 T; 0 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
 Best Local Similarity 90.9%; Pred. No. 1.3e+03;

Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 944 TTGGTTTATG 954

Db 2 TTGGTTTATG 12

RESULT 2503

ABZ72849  
 ID ABZ72849 standard; RNA; 13 BP.

XX AC ABZ72849;

DT 09-APR-2003 (first entry)

DE IGF1 R21 ribozyme target sequence SEQ ID NO:88.

XX Hairpin ribozyme; hammerhead ribozyme; ribozyme; retinal disease; target;  
 KW ophthalmological; gene therapy; eye; retinal dysfunction; AAV;  
 KW diabetic retinopathy; macular degeneration; autosomal dominant retinitis;  
 KW blood-retinal barrier dysfunction; adeno-associated virus; blindness; ss.

XX Synthetic.

XX WO200288320-A2.

XX PD 07-NOV-2002.

XX PF 01-MAY-2002; 2002WO-US013679.

XX PR 01-MAY-2001; 2001US-00847601.

XX PA (UYFL ) UNIV FLORIDA.

XX PI Lewin AS, Shaw LC, Grant MB;

XX DR WPI; 2003-111890/10.

XX A recombinant adeno-associated virus-vectored ribozyme composition,  
 PT useful for treating a disease or dysfunction of the mammalian eye e.g.  
 PT retinal disease, e.g. diabetic retinopathy or age-related macular  
 PT degeneration.

PS Claim 1; Page 80; 115pp; English.

XX The present invention describes a recombinant adeno-associated virus  
 CC (AAV) vectored ribozyme composition (I). (I) comprises: (a) at least a  
 CC first ribozyme that specifically cleaves an mRNA encoding a protein,  
 CC polypeptide, or peptide selected from the group of rod opsin, INOS,  
 CC RDS/peripherin, VEGFR1, VEGFR2, adenosine A-2B receptor, IGF-1, integrin  
 CC alpha 1, integrin alpha 3, integrin alpha 5, or integrin alpha V; (b) a  
 CC vector comprising a polynucleotide encoding the ribozyme, where the  
 CC polynucleotide operably positioned downstream of at least a first  
 CC promoter that directs expression of the polynucleotide in a selected  
 CC mammalian cell transformed with the vector; (c) a viral particle  
 CC comprising the ribozyme or the polynucleotide; (d) an AAV vector  
 CC comprising the ribozyme or the polynucleotide; or (e) a host cell  
 CC comprising the ribozyme or the polynucleotide. Also described is a method  
 CC for decreasing the amount of mRNA encoding a selected polypeptide in a  
 CC retinal cell of a mammalian eye, comprising providing to the eye the  
 CC composition described above, and for a time effective to specifically  
 CC cleave the mRNA in the cell. (I) has ophthalmological activity, and can

CC be used in gene therapy. (I) can be used for treating a disease or  
 CC dysfunction of the mammalian eye, such as a retinal disease or retinal  
 CC dysfunction, (diabetic) retinopathy, or (age-related) macular  
 CC degeneration. (I) is also useful for manufacturing a medicament for  
 CC treating the diseases mentioned above, including autosomal dominant  
 CC retinitis or a blood-retinal barrier dysfunction. (I) can also be useful  
 CC for treating, decreasing the severity, or ameliorating the symptoms of a  
 CC pathological condition, e.g. atrophic or pigmented lesions of the eye,  
 CC blindness, a reduction in central or peripheral vision, or a reduction in  
 CC total vision. ABZ72763 to ABZ72953 represent sequences used in the  
 CC exemplification of the present invention

SQ Sequence 13 BP; 1 A; 4 C; 2 G; 0 T; 6 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;

Best Local Similarity 36.4%; Pred. No. 1.3e+03;

Matches 4; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY 914 TTGGTCTTTC 924

Db 2 UUCGUCUUDGC 12

RESULT 2504

ACD56504  
 ID ACD56504 standard; RNA; 13 BP.

XX AC ACD56504;

XX DT 24-SEP-2003 (first entry)

XX DE HBV enzymatic nucleic acid substrate sequence #185.

XX Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;  
 KW RNA stability; RNA expression; RNA synthesis; antisense;  
 KW enzymatic nucleic acid; hammerhead ribozyme; DNzyme; inozyme; zinzyme;  
 KW amberyne; G-cleaver ribozyme; decoy molecule; aptamer;  
 KW HBV reverse transcriptase; Enhancer I region; viral replication;  
 KW degenerative; disease state; HBV infection; HCV infection; cirrhosis;  
 KW liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;  
 KW virucide; antiinflammatory; substrate; ss.

XX OS Hepatitis B virus.

XX PN WO200281494-A1.

XX PD 17-OCT-2002.

XX PF 26-MAR-2002; 2002WO-US009187.

XX PR 26-MAR-2001; 2001US-00817879.

XX PR 08-JUN-2001; 2001US-00877478.

XX PR 08-JUN-2001; 2001US-0296876P.

XX PR 24-OCT-2001; 2001US-0335059P.

XX PR 05-DEC-2001; 2001US-0337055P.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PA (BLAT/) BLATT L.

XX PA (MACE/) MACEJAK D.

XX PA (MCSW/) MCSWIGGEN J.

XX PA (MORR/) MORRISSEY D.

XX PA (PAVC/) PAVCO P.

XX PA (LEEP/) LEE P.

XX PA (DRAP/) DRAPER K.

XX PA (ROBE/) ROBERTS E.

XX PI Blatt L, Macejak D, Mcswiggen J, Morrissey D, Pavco P, Lee P;

XX PI Draper K, Roberts E;

XX DR WPI; 2003-229207/22.

XX Novel compound useful for treating cirrhosis, liver failure,  
 PT hepatocellular carcinoma, or condition associated with hepatitis C virus

PT infection.  
XX Example 1; Page 221; 387pp; English.  
PS  
XX The present invention relates to nucleic acid molecules which modulate  
CC the synthesis, expression and/or stability of Hepatitis C virus (HCV) or  
CC Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense  
CC and enzymatic nucleic acids such as hammerhead ribozymes, DNazymes,  
CC inozymes, zinzymes, ambrizymes, and G-cleaver ribozymes. Also disclosed  
CC are nucleic acid decoy molecules and aptamers that bind to HBV reverse  
CC transcriptase and/or HBV reverse transcriptase primer sequences, as well  
CC as oligonucleotides that specifically bind the Enhancer I region of HBV  
CC DNA. The nucleic acids may be used to modulate the expression of HBV  
CC genes and HBV viral replication. Also disclosed is a method for screening  
CC compounds and/or potential therapies directed against HBV, and compounds  
CC that modulate the expression and/or replication of HCV. The compounds and  
CC methods of the invention are useful for the treatment of degenerative and  
CC disease states related to HBV and HCV infection, replication and gene  
CC expression such as cirrhosis, liver failure, and hepatocellular  
CC carcinoma. The present sequence represents a substrate for one of the HBV  
CC enzymatic nucleic acid sequences disclosed in the present invention  
XX  
SQ Sequence 13 BP; 0 A; 5 C; 3 G; 0 T; 5 U; 0 Other;

Query Match 12.9%; Score 9.4; DB 1; Length 13;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 917 GTCCTTGCTT 927  
|:|: :|||:  
Db 3 GUCUGGCCUU 13

RESULT 2505  
AA71348  
ID AA71348 standard; DNA; 14 BP.  
XX  
XX AA71348;  
AC  
XX 25-MAR-2003 (revised)  
DT 25-APR-1991 (first entry)  
XX  
XX Probe 186 to Yarrowia lipolytica XPR2 gene. (3'-5').  
DE extracellular alkaline protease; XPR2; ss.  
XX  
XX Synthetic.  
OS  
XX EP220864-A.  
FN  
XX 06-MAY-1987.  
PD  
XX 10-OCT-1986; 86EP-00307839.  
PF  
XX 18-OCT-1985; 85US-00789206.  
PR  
XX 18-MAR-1986; 86US-00841121.  
FR  
XX (PFIZ ) PFIZER INC.  
PA (USHU-) US HUIRUI CO LTD.  
PA  
XX Davidow LS, Franke AE, Dezeuw JR;  
PI  
XX WPI; 1987-124409/18.  
DR  
XX New Yarrowia lipolytica transformants - used for expression and secretion  
PT of heterologous proteins, esp. prorennin, and human anaphylatoxin C5a.  
PT  
XX Example; Fig 2; 45pp; English.  
PS  
XX Probes were prepared on the basis of two regions of the known sequence  
CC (Ogrydzak et al, J.Gen.Microbiol.(1982) 128,1225-1234) of the first 25  
CC amino acids of mature extracellular alkaline protease. This probe is  
CC based on Region II, beginning at amino acid #18. It was hybridised with

CC three overlapping plasmids recovered from the XPR2 transformant  
CC Y.lipolytica ATCC 20781 to confirm that the XPR2 gene had been cloned.  
CC See also AAN70213-N70218, AAN71339, AAN71340, AAN71343-7. (Updated on 25-  
CC MAR-2003 to correct PA field.)  
XX  
SQ Sequence 14 BP; 0 A; 2 C; 3 G; 7 T; 0 U; 2 Other;  
Query Match 12.9%; Score 9.4; DB 1; Length 14;  
Best Local Similarity 71.4%; Pred. No. 1.4e+03;  
Matches 10; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
QY 910 TTCTTTGGTCTTGG 923  
|||||:|  
Db 1 TTCTTCGNGTTTG 14  
RESULT 2506  
AAV49069  
ID AAV49069 standard; DNA; 14 BP.  
XX  
XX AAV49069;  
AC  
XX 15-OCT-1998 (first entry)  
DT  
XX rb gene antisense oligonucleotide rb-N-17.  
DE  
XX rb gene; antisense oligonucleotide; modulate; gene expression; ss.  
KW  
XX Synthetic.  
OS  
XX Homo sapiens.  
OS  
XX EP856579-A1.  
FN  
XX 05-AUG-1998.  
PD  
XX 31-JAN-1997; 97EP-00101531.  
PF  
XX 31-JAN-1997; 97EP-00101531.  
PR  
XX (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.  
PA  
XX Schlingensiepen K, Brysch W;  
PI  
XX WPI; 1998-400910/35.  
DR  
XX Preparation of antisense oligonucleotide(s) which lack long runs of  
PT consecutive guanosine or inosine - and have specific ratio of residues  
PT able to form two or three hydrogen bonds, have greater activity and  
PT reduced toxicity, used therapeutically or to modulate growth of cells in  
PT culture.  
XX  
XX Example 7; Fig 9a; 286pp; English.  
PS  
XX AAV49008-236 represent antisense oligonucleotides directed against the rb  
CC gene. Of these, only oligonucleotides AAV49008-52 resulted in effective  
CC downregulation of negative growth control by rb, while oligonucleotides  
CC AAV49052-236 had little effect. The oligonucleotides exemplify the  
CC invention. The specification describes oligonucleotides that contain 8-30  
CC nucleotides, which contain at most 8 nucleotides that can each form three  
CC hydrogen bonds to cytosine; do not contain four consecutive nucleotides  
CC able to form three H-bonds each to four consecutive cytosines; do not  
CC contain two sequences of three consecutive nucleotides each able to form  
CC three H-bonds to three consecutive cytosines, and the ratio between  
CC residues able to form two H-bonds each (2R) or three such bonds (3R) is  
CC given by 2R/3R = 0.33-0.72. The oligonucleotides are used to modulate  
CC expression of genes, particularly the genes for p53, Erb-2, junB, junD,  
CC TGF-beta 1 or beta 2 to control proliferation of primary cell cultures  
CC (e.g. bone marrow stem, liver or kidney cells, osteoclasts, osteoblasts  
CC and/or keratinocytes). The oligonucleotides can also be used to analyse  
CC function of proteins (by altering their expression or activity) and  
CC therapeutically, e.g. in cases of cancer or (targeting TGF) for  
CC stimulating the immune system  
XX

SQ Sequence 14 BP; 4 A; 2 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 14;  
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 905 TCATTTTCTTT 915  
 |||||  
 Db 2 TCAATTTCTT 12

RESULT 2507  
 AAX14711  
 ID AAX14711 standard; DNA; 14 BP.  
 XX AAX14711;  
 AC AAX14711;  
 XX  
 DT 24-MAR-1999 (first entry)  
 XX  
 DE Triple helix third strand of Prealbumin gene nucleotides 250-263.  
 XX  
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;  
 KW oncogene; virus; ss.  
 XX  
 OS Synthetic.  
 OS Homo sapiens.  
 XX  
 PN US5861244-A.  
 XX  
 PD 19-JAN-1999.  
 XX  
 PF 22-DEC-1993; 93US-00173489.  
 XX  
 PR 29-OCT-1992; 92US-00968436.  
 XX  
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.  
 XX  
 PI Hepburn AG, Wang C;  
 XX  
 DR WPI; 1999-130384/11.  
 XX  
 PT Assay of genetic sequences based on triplex formation from double  
 PT stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.  
 XX  
 PS Disclosure; Col 17-18; 16pp; English.  
 CC  
 CC The present sequence represents a polynucleotide that is able to form a  
 CC triple helix with a double stranded sequence. Cytosine bases in the  
 CC present can be replaced with 5-methylcytosine for increased triplex  
 CC stability. The present sequence is used in the assay of the invention,  
 CC where it can be part of the anchor DNA or reporter DNA sequence. The  
 CC assay comprises adding a sample containing double-stranded DNA test  
 CC sequences to an aqueous medium containing at least one complex of anchor  
 CC DNA, attached to a solid support, and reporter DNA, where either a part  
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand  
 CC structure with part of the test sequence. Triplex formation results in  
 CC displacement of the reporter DNA which is detected as an indication of  
 CC the presence of the DNA test sequence. The method is used to detect DNA  
 CC sequences, particularly for identification of bacteria (by detecting  
 CC genes for ribosomal RNA) in clinical samples, but also detection of  
 CC oncogenes and Hepatitis B virus  
 CC  
 SQ Sequence 14 BP; 0 A; 6 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 14;  
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 931 TCCCTCTCTT 941  
 |||||  
 Db 2 TCCCTCTCTT 12

RESULT 2508  
 AAZ55640  
 ID AAZ55640 standard; DNA; 14 BP.  
 XX AAZ55640;  
 AC AAZ55640;  
 XX  
 DT 30-MAR-2000 (first entry)  
 XX  
 DE Immunosuppressant inhibitor oligonucleotide TGF-beta-3-rwk-14.  
 XX  
 KW Immunosuppressant inhibitor; transforming growth factor beta; TGF beta;  
 KW vascular endothelial growth factor; VEGF; interleukin-10; IL-10; cancer;  
 KW prostaglandin E2; PGE2; immune response; tumour; asthma; Crohn's disease;  
 KW monocyte chemotactic protein-1; MCP-1; ulcerative colitis; diabetes;  
 KW glomerulonephritis; acute respiratory distress syndrome; ss;  
 KW atherosclerosis.  
 XX  
 OS Unidentified.  
 XX  
 PN WO9963975-A2.  
 XX  
 PD 16-DEC-1999.  
 XX  
 PF 10-JUN-1999; 99WO-EP004013.  
 XX  
 PR 10-JUN-1998; 98EP-00110709.  
 PR 25-JUL-1998; 98EP-00113974.  
 XX  
 PA (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.  
 XX  
 PI Schlingensiepen K, Schlingensiepen R, Brysch W;  
 XX  
 DR WPI; 2000-097470/08.  
 XX  
 PT Composition containing immune stimulant and inhibitor of agent that  
 PT adversely affects the immune response, for treating cancers and  
 PT infections.  
 XX  
 PS Claim 10; Fig 1; 30pp; English.  
 CC  
 CC This sequence is an immunosuppressant inhibitor oligonucleotide, which is  
 CC used in the invention. The invention relates to a composition which  
 CC contains at least one inhibitor (less than 100 kD) of a substance (e.g.  
 CC transforming growth factor TGF-beta, vascular endothelial growth factor  
 CC VEGF, interleukin-10 IL-10, prostaglandin E2 PGE2, or their receptors)  
 CC that adversely affects the immune response. The composition also includes  
 CC at least one stimulant that positively affects the immune response. This  
 CC oligonucleotide is an example of an inhibitor that is used in the  
 CC composition. The composition is used as an immunostimulant for the  
 CC treatment of neoplasms and infections, particularly hyperproliferation;  
 CC leukaemia; (non-)Hodgkin's lymphoma; carcinoma (of oesophagus, bronchi,  
 CC colon-rectum, stomach, intestine, gall bladder or duct, pancreas, anus,  
 CC breast, ovary, cervix, endometrium, prostate or bladder), liver tumours,  
 CC malignant melanoma, brain tumours and sarcomas. The oligonucleotides,  
 CC most of which are directed against TGFbeta or VEGF, are inhibitors of  
 CC monocyte chemotactic protein-1 (MCP-1) and are useful as anti-  
 CC inflammatory for treating e.g. asthma, Crohn's disease, ulcerative  
 CC colitis, diabetes, glomerulonephritis, acute respiratory distress  
 CC syndrome and the formation of atherosclerotic plaque  
 CC  
 SQ Sequence 14 BP; 1 A; 7 C; 0 G; 6 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 14;  
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 932 CCTCTCTCTT 942  
 |||||  
 Db 3 CCTCTCTCTT 13

RESULT 2509  
 AAA37592/C  
 ID AAA37592 standard; DNA; 14 BP.  
 XX  
 AC AAA37592;  
 XX  
 DT 15-AUG-2000 (first entry)  
 XX  
 DE PNA sequence #50 used to inhibit telomerase activity.  
 XX  
 KW Peptide nucleic acid; PNA; telomerase; ribonucleoprotein enzyme; cancer;  
 KW inhibitor; neoplasia; neurodegenerative disease; aging; hyperplasia;  
 KW AIDS; HIV; fungal infection; forensic identification; detect; tumour;  
 KW paternity testing; ss.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT misc\_feature 1..14  
 FT /tag= a  
 FT /note= "Peptide nucleic acid molecule, where N-(2-  
 FT aminoethyl)glycine units are linked to nucleotide bases  
 FT via glycine amino N through a methylenecarbonyl linker"  
 XX  
 PN US6046307-A.  
 XX  
 PD 04-APR-2000.  
 XX  
 PF 09-APR-1997; 97US-00838545.  
 XX  
 PR 09-APR-1996; 96US-00630019.  
 XX  
 PA (TEXA ) UNIV TEXAS SYSTEM.  
 XX  
 PI Wright WE, Piatyszek MA, Shay JW, Norton JC, Corey DR;  
 XX  
 DR WPI; 2000-292432/25.  
 XX  
 PT New peptide nucleic acid (PNA) compounds that inhibit telomerase activity  
 PT in mammalian cells is useful as probes to detect the RNA component of a  
 PT mammalian telomerase.  
 XX  
 PS Example 2; Col 37; 45pp; English.  
 XX  
 CC The present sequence represents a peptide nucleic acid molecule which  
 CC hybridises to the mRNA component of mammalian telomerase, and inhibits  
 CC telomerase activity. Telomerase is a ribonucleoprotein enzyme that  
 CC synthesizes one strand of the telomeric DNA, using as a template an 11  
 CC nucleotide sequence contained within the RNA component of the enzyme. The  
 CC invention relates to PNA molecules having a sequence of no more than 25  
 CC bases, which include the sequence GTTAGG. The uncharged nature of the PNA  
 CC backbone increases the melting temperature of associating strands,  
 CC increases the rate of association with targeted nucleic acids, and  
 CC affords greater resistance of degradation by proteases or nucleases. The  
 CC therapeutic PNAs may be used for treating disease conditions such as  
 CC cancers, neoplasia, hyperplasia, neurodegenerative diseases, aging, human  
 CC immunodeficiency virus (HIV) infection/AIDS (acquired immunodeficiency  
 CC syndrome) and associated pathologies, fungal infections, and other  
 CC diseases characterized by abnormal telomere metabolism or telomerase  
 CC activity, in combination with antineoplastic and other cytotoxic or  
 CC cytostatic agents, antifungal agents, and other nucleotides. PNAs may be  
 CC used for molecular diagnostics, labelled PNAs are used as hybridization  
 CC probes to detect or quantitate polynucleotides having a human telomerase  
 CC RNA (hTR) sequence. PNA probes are also used for forensic identification  
 CC of individuals, e.g. paternity testing, based on hTR gene restriction  
 CC fragment length polymorphism (RFLP) pattern. PNAs are also useful as  
 CC probes to detect the RNA component of a mammalian telomerase and as  
 CC inhibitors of telomerase activity. The method of the present invention  
 CC allows cancerous conditions to be detected with increased confidence and  
 CC possibly at an earlier stage, before cells are detected as cancerous  
 CC based on pathological characteristics. The diagnostic and prognostic  
 CC methods of the present invention can be used to detect an immortal or  
 CC neoplastic cell or tumour tissue or cancer of any origin, provided the

CC cell expresses telomerase activity and its RNA component  
 XX  
 SQ Sequence 14 BP; 8 A; 2 C; 2 G; 2 T; 0 U; 0 Other;  
 Query Match 12.9%; Score 9.4; DB 1; Length 14;  
 Best Local Similarity 90.9%; Pred. No. 1.4e+03;  
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 910 TTCTTTGGTCT 920  
 Db 12 TTTTGGTCT 2  
 RESULT 2510  
 ID AAZ59891 standard; DNA; 14 BP.  
 XX  
 AC AAZ59891;  
 XX  
 DT 08-MAY-2000 (first entry)  
 XX  
 DE Adenovirus minimal packaging element, A repeat AII.  
 XX  
 KW Adenovirus; minimal packaging element; A repeat; repressor binding site;  
 KW DNA delivery; ds.  
 XX  
 OS Mastadenovirus.  
 XX  
 PN WO9953085-A2.  
 XX  
 PD 21-OCT-1999.  
 XX  
 PF 15-APR-1999; 99WO-US008294.  
 XX  
 PR 15-APR-1998; 98US-0081867P.  
 PR 05-JUN-1998; 98US-0088321P.  
 XX  
 PA (UJNY ) UNIV NEW YORK STATE RES FOUND.  
 XX  
 PI Hearing P, Schmid SI, Ostapchuk PH, Erturk E;  
 XX  
 DR WPI; 2000-052657/04.  
 XX  
 PT Regulating adenoviral packaging by incorporation of repressor binding  
 PT sites that allow selective suppression of packaging, used for gene  
 PT therapy.  
 XX  
 PS Disclosure; Page 15; 71pp; English.  
 XX  
 CC The invention relates to the regulation of adenoviral packaging. The  
 CC method of the invention comprises propagating an adenoviral vector  
 CC containing a repressor binding site, in the absence of the repressor.  
 CC After propagation, vector packaging is repressed by the appropriate  
 CC repressor protein. The invention also encompasses an adenoviral vector  
 CC that includes an adenoviral packaging sequence containing several COUP-TF  
 CC (chicken ovalbumin upstream promoter transcription factor) binding sites  
 CC (AAZ59919). Adenoviral vectors containing repressor binding sites are  
 CC used for DNA delivery, e.g., for expression of a therapeutic protein; in  
 CC genetic immunisation; or to produce antiviral DNA or antisense RNA.  
 CC Typical heterologous genes that can be expressed include those for  
 CC interleukin-2, alpha1-antitrypsin, cystic fibrosis transmembrane  
 CC conductance regulator and coagulation factor VIII. These vectors have  
 CC very large capacity (up to 36 kb) for foreign DNA and minimise the risk  
 CC of generating replication competent virus (since vector and helper virus  
 CC can be designed such that they have no overlapping packaging sequences  
 CC that might permit homologous recombination). The presence of the  
 CC repressor binding site allows selective inhibition of virion production  
 CC (i.e., packaging of one vector in presence of another). Sequences  
 CC AAZ5990-259896 represent adenovirus minimal packaging elements,  
 CC designated A repeats AI-AVII, and AAZ59897 represents a consensus of  
 CC these A repeats  
 XX  
 SQ Sequence 14 BP; 1 A; 3 C; 3 G; 7 T; 0 U; 0 Other;

```

Query Match      12.9%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1.4e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 902 TGGTCATTTC 912
DB 3 TGGCCATTTC 13

RESULT 2511
AAS15463/C
ID AAS15463 standard; DNA; 14 BP.
AC AAS15463;
XX 14-FEB-2002 (first entry)
DE PNA 1 inhibiting human and mammalian telomerase activity.
XX Mammalian; peptide nucleic acid; probe; forensic; paternity testing;
KW human telomerase RNA component; htr gene RFLP pattern; cancer;
KW inflammation; lymphoproliferative disease; autoimmune disease;
KW neurodegenerative disease; neoplasia; hyperplasia; HIV; AIDS;
KW human immunodeficiency virus; acquired immunodeficiency syndrome;
KW telomere metabolism; mutant; cytostatic; anti-inflammatory;
KW immunosuppressive; polyamide backbone; ss.
XX Homo sapiens.
OS Synthetic.
XX Key Location/Qualifiers
FH modified_base 1..14
FT /*tag= a
FT /*note= "This sequence is a peptide nucleic acid, i.e. it
FT contains a polyamide backbone instead of a deoxyribose
FT backbone"
XX
XX US6294650-B1.
XX 25-SEP-2001.
XX 08-JUL-1999; 99US-00349532.
XX 09-APR-1996; 96US-00630019.
XX 09-APR-1997; 97US-00838545.
XX (TEXA ) UNIV TEXAS SYSTEM.
XX
XX Shay JW, Wright WE, Piatyszek MA, Corey DR, Norton JC;
XX WPI; 2001-638024/73.
XX
XX New peptide nucleic acids that hybridizes to the RNA component of
XX mammalian telomerase, useful for treating or preventing cancer,
XX inflammation, lymphoproliferative diseases, autoimmune disease, or
XX neurodegenerative diseases.
XX
XX Example 2; Col 37-38; 46pp; English.
XX
XX The present invention relates to peptide nucleic acids (PNAs), comprising
XX a sequence of 6-25 nucleobases, that inhibit telomerase activity in
XX mammalian cells by hybridizing to the RNA component of mammalian
XX telomerase. The PNAs are useful as probes to detect the RNA component of
XX mammalian telomerase and as inhibitors of telomerase activity, or to
XX detect and/or quantitate polynucleotide having the human telomerase RNA
XX component (htr) sequence, as well as in forensic identification of
XX individuals, such as paternity testing or identification of criminal
XX suspects or unknown descendants based on the htr gene RFLP pattern. The
XX PNA can be further used for treating or preventing cancer, inflammatory,
XX lymphoproliferative diseases, autoimmune disease, or neurodegenerative
XX diseases. The PNAs in combination with other pharmaceuticals (such as
XX antineoplastic or cytostatic agents) can be used for treating neoplasia,
XX
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CC hyperplasia, human immunodeficiency virus (HIV) infections, acquired
CC immunodeficiency syndrome (AIDS) and associated pathologies, and other
CC diseases characterised by abnormal telomere metabolism or telomerase
CC activity. The present sequence represents one of the PNA sequences of the
CC invention
XX
XX Sequence 14 BP; 8 A; 2 C; 2 G; 2 T; 0 U; 0 Other;
Query Match      12.9%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1.4e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 910 TTCTTTGGTCT 920
DB 12 TTTTGGTCT 2

RESULT 2512
ABL42252/C
ID ABL42252 standard; DNA; 14 BP.
XX ABL42252;
XX 29-AUG-2003 (revised)
DT 01-JUL-2002 (first entry)
XX
XX Animal cis-regulatory sequence from MyoD.
XX
XX DNA fingerprinting; cancer; agriculture; breeding; PCR; primer;
XX gene family; ds.
XX Metazoa.
XX WO200162967-A2.
XX 30-AUG-2001.
XX 19-FEB-2001; 2001WO-IL000151.
XX 22-FEB-2000; 2000IL-00134660.
XX 02-JUL-2000; 2000IL-00137124.
XX 20-AUG-2000; 2000IL-00137959.
XX (GENE-) GENENA LTD.
XX (AGRI-) AGRIC RES ORG NEWE YA'AR RES CENTE.
XX
XX Vidar B, Katzir N;
XX WPI; 2002-239525/29.
XX
XX Polymerase chain reaction based method of DNA fingerprinting, useful for
XX analyzing genes, e.g. for identifying genes involved in cancer formation,
XX involves using a mix of primers that match the conserved regions of a
XX gene family.
XX
XX Example; Page 16; 28pp; English.
XX
XX The invention relates to a polymerase chain reaction (PCR) based method
XX of DNA fingerprinting, comprising using primers that match the conserved
XX regions of a gene family. The method is useful for gene expression
XX analysis of any cell or tissue, or for the performance of DNA
XX fingerprinting analysis of the same organism in order that one will
XX reveal the function of a gene that produced differential product between
XX genotypes. The method is also useful for identifying PCR reactions that
XX contain a gene of interest in a gene family reverse transcriptase (RT)-
XX PCR expression analysis. The method is also useful for identifying genes
XX that belong to a gene family that might be involved in cancer formation.
XX The method is particularly useful for comparing genomic sequences. These
XX are also applicable in agriculture (e.g. to mark useful genes to assist
XX breeding). The current sequence represents an animal cis-regulatory
XX sequence. This is used in DNA fingerprinting using primers or a mix of
XX primers that match the sequence of ubiquitous cis-acting regulatory
XX elements. (Updated on 29-AUG-2003 to standardise OS field)
XX
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XX SQ Sequence 14 BP; 4 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
Query Match 12.9%; Score 9.4; DB 1; Length 14;
Best Local Similarity 90.9%; Pred. No. 1.4e+03;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 900 CCGTGCATTT 910
DB 12 CCGTGCAGTT 2

RESULT 2513
AAQ10579
ID AAQ10579 standard; DNA; 14 BP.
XX AC AAQ10579;
XX DT 10-MAY-1991 (first entry)
XX DE Probe for detecting human factor IX encoding plasmid clone.
XX KW Human factor IX; genetic deficiencies; blood clotting disorders;
XX KW haemophilia B; ss.
XX OS Homo sapiens.
XX PN US4994371-A.
XX PD 19-FEB-1991.
XX PF 19-MAY-1989; 89US-00355900.
XX PR 16-MAY-1985; 85US-00735702.
XX PR 18-JUL-1986; 86US-00888041.
XX PR 28-AUG-1987; 87US-00094031.
XX PA (DAVI/) DAVIE E W.
XX PI Davie EW, Kurachi K;
XX WPI; 1991-072901/10.
XX DNA coding for human factor IX - used for producing polypeptide and
XX detecting genetic modifications in diagnosing blood clotting
XX deficiencies.
XX PS Disclosure; Page 7; 12pp; English.
XX CC This probe is used to screen a human liver cDNA library for the presence
XX of a clone (pHFX1) contg. the coding information for human factor IX.
XX The recombinant DNA clone is useful for detecting mutations or other
XX genetic deficiencies concerned with factor IX. It can also be used to
XX diagnose blood clotting deficiencies e.g. haemophilia B. The use of
XX recombinant DNA methods results in the large scale expression of hFIX
XX polypeptides. See also AAQ10577-78
XX SQ Sequence 14 BP; 2 A; 3 C; 0 G; 6 T; 0 U; 3 Other;
Query Match 12.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 64.3%; Pred. No. 1.5e+03;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 918 TCTTGCCTTTAT 931
DB 1 TATTTCCVTCAT 14

RESULT 2514
AAQ78469
ID AAQ78469 standard; DNA; 14 BP.
XX AC AAQ78469;

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XX DT 25-MAR-2003 (revised)
XX DT 27-JUN-1995 (first entry)
XX DE TGF-beta gene phosphorothioate antisense oligonucleotide.
XX KW Transforming growth factor beta; TGF-beta; antisense; tumour;
XX angiogenesis; breast tumour; neurofibroma; glioma; glioblastoma;
XX carcinogenesis; carcinoma; oesophagus; oesophageal; gastric; gut;
XX immunosuppression; oligonucleotide; ss.
XX OS Synthetic.
XX PN WO9425588-A2.
XX PD 10-NOV-1994.
XX PF 29-APR-1994; 94WO-EP001362.
XX PR 30-APR-1993; 93EP-00107089.
XX PR 13-MAY-1993; 93EP-00107849.
XX (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
XX Schlingensiepen G, Brysch W, Schlingensiepen K, Schlingensiepen R;
XX Bogdahn U;
XX WPI; 1994-358266/44.
XX New transforming growth factor beta anti-sense oligonucleotide(s) - for
XX treating immunosuppression, tumours, etc.
XX Claim 6; Page 58; 74pp; English.
XX The antisense oligonucleotides are useful in the treatment of tumours in
XX which expression of TGF-beta is of relevance for pathogenicity and/or
XX inhibition of pathological angiogenesis. They are used especially for the
XX treatment of the immunosuppressive effect of TGF-beta, augmentation of
XX the proliferation of cytotoxic lymphocytes, treatment of endogenous
XX hyperexpression of TGF-beta, treatment of breast tumours, neurofibromas
XX and malignant gliomas, including glioblastomas, treatment and prophylaxis
XX of skin carcinogenesis, and treatment of oesophageal and gastric
XX carcinomas. See AAQ78352-Q78488. The sequences given in GENESQ files
XX AAQ78352-Q78407 and AAQ78488 are antisense oligodeoxynucleotides of TGF-
XX beta 1. The sequences given in GENESQ files AAQ78408-78487 are antisense
XX oligodeoxynucleotides of TGF-beta 2 in the form of phosphorothioate
XX analogues. (Updated on 25-MAR-2003 to correct PN field.)
XX SQ Sequence 14 BP; 1 A; 2 C; 5 G; 6 T; 0 U; 0 Other;
Query Match 12.6%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 1.5e+03;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 945 TGGTTTAATGATC 958
DB 1 TGGTTTCGTATC 14

RESULT 2515
AAV06882
ID AAV06882 standard; DNA; 14 BP.
XX AC AAV06882;
XX DT 01-JUL-1998 (first entry)
XX DE One from an array of 58 cystic fibrosis oligonucleotides.
XX KW H-ras; wild-type; immobilising; diagnosis; ethylene acrylic acid;
XX ethylene methacrylic acid; polypropylene; biotin; cystic fibrosis; array;
XX ss.

```

OS Synthetic.  
 XX WO9746597-A1.  
 XX  
 XX 11-DEC-1997.  
 XX  
 XX 22-MAY-1997; 97WO-US008880.  
 XX  
 XX 05-JUN-1996; 96US-00658664.  
 XX  
 XX (BECI ) BECKMAN INSTR INC.  
 XX  
 XX Milton RC;  
 XX  
 XX WPI; 1998-051910/05.  
 XX  
 XX Polymeric reagents for immobilising biopolymers - are stable under  
 PT synthesis conditions.  
 XX  
 XX Example 7; Fig 19; 66pp; English.  
 XX  
 XX The present sequence represents one of an array of 58 cystic fibrosis  
 CC oligonucleotides. The invention relates to a new reagent for immobilising  
 CC a biopolymer. It comprises a solid support fabricated from a polymeric  
 CC material having at least one surface comprising pendant acyl fluoride  
 CC functionalities. The reagent is stable under conditions for synthesising  
 CC and immobilising biopolymers and is stable under conditions used to  
 CC analyse the biopolymers. The reagents can be formed into devices which  
 CC are physically rugged and inexpensive which can be used in analytical and  
 CC diagnostic procedures  
 XX  
 XX Sequence 14 BP; 1 A; 3 C; 3 G; 7 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 909 TTTCTTGGCTTT 922  
 DB 1 TTTCTGGGACTCT 14  
 RESULT 2516  
 AAV11925  
 ID AAV11925 standard; DNA; 14 BP.  
 XX  
 XX AAV11925;  
 AC  
 XX 13-AUG-1998 (first entry)  
 DT  
 DE Hepatocyte growth factor inhibiting oligonucleotide #17.  
 XX  
 XX Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;  
 KW Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;  
 KW antitumour agent; anti-metastasis agent; primer; ss.  
 OS Synthetic.  
 XX  
 XX JP10127286-A.  
 PN  
 PD 19-MAY-1998.  
 XX  
 XX 01-NOV-1996; 96JP-00291499.  
 XX  
 XX 01-NOV-1996; 96JP-00291499.  
 XX  
 XX (TERU ) TERUMO CORP.  
 PA  
 XX WPI; 1998-340665/30.  
 DR  
 XX Oligo:nucleotide inhibiting HGF production - useful as antitumour and  
 PT anti-metastatic agent.  
 PT  
 PS Claim 10; Page 10; 15pp; Japanese.

XX AAV11909-V11925, AAV11927 and AAV11928 are oligonucleotide primers used  
 CC to identify sequences which modulate or inhibit expression, production or  
 CC reception of hepatocyte growth factor (HGF) or expression of c-Met. Such  
 CC oligonucleotides are useful as antitumour or anti-metastasis agents  
 XX  
 XX Sequence 14 BP; 0 A; 8 C; 0 G; 6 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 926 TTTTATCCCTCTC 939  
 DB 1 TTCCTTCCCTCTC 14  
 RESULT 2517  
 AAV11924/C  
 ID AAV11924 standard; DNA; 14 BP.  
 XX  
 XX AAV11924;  
 AC  
 XX 13-AUG-1998 (first entry)  
 DT  
 XX Hepatocyte growth factor inhibiting oligonucleotide #16.  
 DE  
 XX Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;  
 KW Hepatocyte growth factor; HGF; c-Met; modulator; inhibitor;  
 KW antitumour agent; anti-metastasis agent; primer; ss.  
 XX  
 XX Synthetic.  
 OS  
 XX JP10127286-A.  
 PN  
 XX 19-MAY-1998.  
 PD  
 XX 01-NOV-1996; 96JP-00291499.  
 XX  
 XX 01-NOV-1996; 96JP-00291499.  
 XX  
 XX (TERU ) TERUMO CORP.  
 PA  
 XX WPI; 1998-340665/30.  
 DR  
 XX Oligo:nucleotide inhibiting HGF production - useful as antitumour and  
 PT anti-metastatic agent.  
 PT  
 XX Claim 10; Page 10; 15pp; Japanese.  
 PS  
 XX AAV11909-V11925, AAV11927 and AAV11928 are oligonucleotide primers used  
 CC to identify sequences which modulate or inhibit expression, production or  
 CC reception of hepatocyte growth factor (HGF) or expression of c-Met. Such  
 CC oligonucleotides are useful as antitumour or anti-metastasis agents  
 XX  
 XX Sequence 14 BP; 6 A; 0 C; 8 G; 0 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 926 TTTTATCCCTCTC 939  
 DB 1 TTCCTTCCCTCTC 1  
 RESULT 2518  
 AAV97202  
 ID AAV97202 standard; RNA; 14 BP.  
 XX  
 XX AAV97202;  
 AC  
 XX 01-MAR-1999 (first entry)  
 DT  
 XX



DE Potato citrate synthase target sequence position 539.  
 XX Solanidine; glucosyltransferase; potato; citrate synthase; target;  
 KW hammerhead ribozyme; hairpin ribozyme; alkaloid biosynthesis;  
 XX flower formation; cleavage; solanaceous plant; ss.  
 XX  
 OS Solanum tuberosum.  
 XX  
 PN WO9832843-A2.  
 XX  
 PD 30-JUL-1998.  
 XX  
 XX 14-JAN-1998; 98WO-US000738.  
 PF 28-JAN-1997; 97US-0036545P.  
 PR 28-JAN-1997; 97US-0036599P.  
 PR 24-NOV-1997; 97US-00979416.  
 XX  
 XX (RIBO-) RIBOZYME PHARM INC.  
 PA  
 XX Zwick MG, Merswiggen JA;  
 PI  
 XX WPI; 1998-427939/36.  
 DR  
 XX New enzymatic nucleic acid(s) - useful for, e.g. reducing alkaloid  
 PT biosynthesis or regulating flowering.  
 PT  
 XX Claim 54; Page 59; 79pp; English.  
 PS  
 XX The present invention describes enzymatic nucleic acid molecules with RNA  
 CC -cleaving activity (e.g. ribozymes) which are capable of modulating the  
 CC expression of plant genes: (i) involved in biosynthesis of alkaloids; or  
 CC (ii) involved in flower formation. AAV95982 to AAV96334, and AAV96335 to  
 CC AAV96354 represent potato solanidine glucosyltransferase hammerhead and  
 CC hairpin ribozymes, respectively. AAV95629 to AAV95981, and AAV96355 to  
 CC AAV96734 represent potato solanidine glucosyltransferase target  
 CC sequences. AAV96773 to AAV97170, and AAV97171 to AAV97195 represent  
 CC potato citrate synthase hammerhead and hairpin ribozymes, respectively.  
 CC AAV96735 to AAV96772, and AAV97196 to AAV97220 represent potato citrate  
 CC synthase target sequences. Ribozymes of the present invention can be used  
 CC to inhibit the synthesis of toxic alkaloids in solanaceous plants,  
 CC particularly potato but also tomato, pepper, aubergine and ditura or to  
 CC inhibit flowering in potato, lettuce, spinach, cabbage, brussel sprouts,  
 CC arugula, kale, collards, chard, beet, turnip, sweet potato and turf  
 CC grass. Also the ribozymes can be used for RNA manipulation in the same  
 CC way that restriction endonucleases are for DNA, as well as to examine  
 CC genetic drift and mutations in plants and to detect specific RNA. The  
 CC ribozymes can be targeted to specific genes or to consensus sequences  
 CC within a family of related genes, and being catalytic need to be present  
 CC at only very low concentrations  
 XX  
 SQ Sequence 14 BP; 3 A; 5 C; 1 G; 0 T; 5 U; 0 Other;  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 42.9%; Pred. No. 1.5e+03;  
 Matches 6; Conservative 5; Mismatches 3; Indels 0; Gaps 0;  
 QY 931 TCCCTCCTCTTCAT 944  
 Db 1 UCCUGAUCAUCAU 14  
 RESULT 2519  
 AAX61182/c  
 ID AAX61182 standard; DNA; 14 BP.  
 XX  
 XX AAX61182;  
 AC  
 XX 28-JUL-1999 (first entry)  
 DT  
 XX Human chromosome alpha-satellite region.  
 DE Probe; human; chromosome 17 triple-helix forming oligonucleotide;  
 KW

KW genetic disorder; missing chromosome; aneuploidy; chromosome 21;  
 XX infectious disease; diagnosis; alpha-satellite region; ss.  
 OS Homo sapiens.  
 XX  
 PN WO9924622-A1.  
 XX  
 XX 20-MAY-1999.  
 PD  
 XX 10-NOV-1998; 98WO-US023765.  
 PF  
 XX 10-NOV-1997; 97US-0064997P.  
 PR  
 XX (UYPR-) UNIV PRINCETON.  
 PA  
 XX Johnson MD, Fresco JR;  
 PI  
 XX WPI; 1999-327425/27.  
 DR  
 XX Novel use of triple helix forming oligonucleotides, useful for in situ  
 PT detection of double stranded target sequence.  
 PT  
 XX Claim 19; Page 13; 45pp; English.  
 PS  
 XX This sequence represents a human chromosome alpha-satellite region. The  
 CC invention relates to the use of a triple-helix forming oligonucleotide  
 CC for in situ detection of a double-stranded target nucleic acid sequence.  
 CC The method can be used to detect a genetic disorder e.g. to detect an  
 CC extra or missing chromosome or fragment or aneuploidy, especially for  
 CC detecting an extra or missing chromosome 17 or 21. The method can be also  
 CC be used to screen for individuals at risk of developing a disease or for  
 CC diagnosing an infectious disease. The use of triple helix forming  
 CC oligonucleotides allows in situ detection of double stranded target  
 CC sequence as opposed to prior art uses of developing potential target  
 CC therapeutic agents or artificial restriction endonucleases  
 CC  
 SQ Sequence 14 BP; 7 A; 0 C; 6 G; 1 T; 0 U; 0 Other;  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 920 TTGCGCTTTTATCC 933  
 Db 14 TTTCCTTTTTCACC 1  
 RESULT 2520  
 AAX61148/c  
 ID AAX61148 standard; DNA; 14 BP.  
 XX  
 XX AAX61148;  
 AC  
 XX 28-JUL-1999 (first entry)  
 DT  
 XX Human chromosome alpha-satellite region.  
 DE Probe; human; chromosome 17 triple-helix forming oligonucleotide;  
 KW genetic disorder; missing chromosome; aneuploidy; chromosome 21;  
 XX infectious disease; diagnosis; alpha-satellite region; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO9924622-A1.  
 XX  
 XX 20-MAY-1999.  
 PD  
 XX 10-NOV-1998; 98WO-US023765.  
 PF  
 XX 10-NOV-1997; 97US-0064997P.  
 PR  
 XX (UYPR-) UNIV PRINCETON.  
 PA  
 XX

PI Johnson MD, Fresco JR;  
 XX WPI; 1999-327425/27.  
 XX Novel use of triple helix forming oligonucleotides, useful for in situ  
 PT detection of double stranded target sequence.  
 XX Claim 19; Page 11; 45pp; English.  
 XX This sequence represents a human chromosome alpha-satellite region. The  
 CC invention relates to the use of a triple-helix forming oligonucleotide  
 CC for in situ detection of a double-stranded target nucleic acid sequence.  
 CC The method can be used to detect a genetic disorder e.g. to detect an  
 CC extra or missing chromosome or fragment or aneuploidy, especially for  
 CC detecting an extra or missing chromosome 17 or 21. The method can be also  
 CC be used to screen for individuals at risk of developing a disease or for  
 CC diagnosing an infectious disease. The use of triple helix forming  
 CC oligonucleotides allows in situ detection of double stranded target  
 CC sequence as opposed to prior art uses of developing potential anti-gene  
 CC therapeutic agents or artificial restriction endonucleases  
 XX Sequence 14 BP; 8 A; 0 C; 5 G; 1 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 921 TTGCTTTTATCCC 934  
 DB 14 TTGCTTTTATACC 1

RESULT 2521  
 AAX14931  
 ID AAX14931 standard; DNA; 14 BP.  
 AC AAX14931;  
 XX 24-MAR-1999 (first entry)  
 DE Triple helix third strand of 23S rRNA gene nucleotides 663-676.  
 XX Triple helix forming region; Triplex formation; DNA detection;  
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;  
 KW oncogene; virus; ss.  
 OS Synthetic.  
 OS Haemophilus influenzae.  
 PN US5861244-A.  
 XX 19-JAN-1999.  
 XX 22-DEC-1993; 93US-00173489.  
 XX 29-OCT-1992; 92US-00968436.  
 XX (PROF-) PROFILE DIAGNOSTIC SCI INC.

PI Hepburn AG, Wang C;  
 XX WPI; 1999-130384/11.  
 XX Assay of genetic sequences based on triplex formation from double  
 PT stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.  
 XX Disclosure; Col 23-24; 168pp; English.  
 XX The present sequence represents a polynucleotide that is able to form a  
 CC triple helix with a double stranded sequence. Cytosine bases in the  
 CC present can be replaced with 5-methylcytosine for increased triplex  
 CC stability. The present sequence is used in the assay of the invention.

CC where it can be part of the anchor DNA or reporter DNA sequence. The  
 CC assay comprises adding a sample containing double-stranded DNA test  
 CC sequences to an aqueous medium containing at least one complex of anchor  
 CC DNA, attached to a solid support, and reporter DNA, where either a part  
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand  
 CC structure with part of the test sequence. Triplex formation results in  
 CC displacement of the reporter DNA which is detected as an indication of  
 CC the presence of the DNA test sequence. The method is used to detect DNA  
 CC sequences, particularly for identification of bacteria (by detecting  
 CC genes for ribosomal RNA) in clinical samples, but also detection of  
 CC oncogenes and Hepatitis B virus

SQ Sequence 14 BP; 0 A; 8 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 931 TCCCTCCTCTTCAT 944  
 DB 1 TCCCTCCTCCTCTT 14

RESULT 2522  
 AAX14710/C  
 ID AAX14710 standard; DNA; 14 BP.

AC AAX14710;  
 XX 24-MAR-1999 (first entry)  
 DE Triple helix forming nucleotides 250-263 of Prealbumin gene.  
 XX Triple-helix forming region; Triplex formation; DNA detection;  
 KW identification; bacteria; oncogene; virus; ds.

OS Homo sapiens.  
 XX US5861244-A.  
 XX 19-JAN-1999.  
 XX 22-DEC-1993; 93US-00173489.  
 XX 29-OCT-1992; 92US-00968436.  
 XX (PROF-) PROFILE DIAGNOSTIC SCI INC.  
 PI Hepburn AG, Wang C;  
 XX WPI; 1999-130384/11.

Assay of genetic sequences based on triplex formation from double  
 PT stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.

XX Disclosure; Col 17-18; 168pp; English.

XX The present sequence represents a potential triple-helix forming region.  
 CC It can be used to demonstrate the assay of the invention. The assay  
 CC comprises adding a sample containing double-stranded DNA test sequences,  
 CC e.g. containing the present sequence, to an aqueous medium containing at  
 CC least one complex of anchor DNA, attached to a solid support, and  
 CC reporter DNA, where either a part of the anchor DNA or reporter DNA is  
 CC designed to form a triple-strand structure with part of the test  
 CC sequence. Triplex formation results in displacement of the reporter DNA  
 CC which is detected as an indication of the presence of the DNA test  
 CC sequence. The method is used to detect DNA sequences, particularly for  
 CC identification of bacteria (by detecting genes for ribosomal RNA) in  
 CC clinical samples, but also detection of oncogenes and Hepatitis B virus  
 XX Sequence 14 BP; 8 A; 0 C; 6 G; 0 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 926 TTTTATCCCTCCTC 939  
 DB 14 TTTTTCCTCCTC 1

RESULT 2523  
 AAX14691  
 ID AAX14691 standard; DNA; 14 BP.  
 XX  
 AC AAX14691;  
 XX  
 DT 24-MAR-1999 (first entry)  
 XX  
 DE Triple helix third strand of retinoblastoma gene nucleotides 281-394.  
 XX  
 KW Triplex formation; DNA detection; triple helix; identification; bacteria;  
 KW oncogene; virus; ss.  
 XX  
 OS Synthetic.  
 OS Homo sapiens.  
 XX  
 PN US5861244-A.  
 XX  
 PD 19-JAN-1999.  
 XX  
 PF 22-DEC-1993; 93US-00173489.  
 XX  
 PR 29-OCT-1992; 92US-00968436.  
 XX  
 PA (PROF-) PROFILE DIAGNOSTIC SCI INC.  
 XX  
 PI Hepburn AG, Wang C;  
 XX  
 DR WPI; 1999-130384/11.  
 XX  
 PT Assay of genetic sequences based on triplex formation from double  
 PT stranded analyte - and hybrid of anchor and reporter sequences, with  
 PT reporter released if triplex formation occurs, used e.g. to identify  
 PT bacteria.  
 XX  
 PS Disclosure; Col 15-16; 168pp; English.  
 XX  
 CC The present sequence represents a polynucleotide that is able to form a  
 CC triple helix with a double stranded sequence. Cytosine bases in the  
 CC present can be replaced with 5-methylcytosine for increased triplex  
 CC stability. The present sequence is used in the assay of the invention,  
 CC where it can be part of the anchor DNA or reporter DNA sequence. The  
 CC assay comprises adding a sample containing double-stranded DNA test  
 CC sequences to an aqueous medium containing at least one complex of anchor  
 CC DNA, attached to a solid support, and reporter DNA, where either a part  
 CC of the anchor DNA or reporter DNA is designed to form a triple-strand  
 CC structure with part of the test sequence. Triplex formation results in  
 CC displacement of the reporter DNA which is detected as an indication of  
 CC the presence of the DNA test sequence. The method is used to detect DNA  
 CC sequences, particularly for identification of bacteria (by detecting  
 CC genes for ribosomal RNA) in clinical samples, but also detection of  
 CC oncogenes and Hepatitis B virus  
 XX  
 SQ Sequence 14 BP; 0 A; 3 C; 0 G; 11 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 908 TTTTCTTTGCTCTT 921  
 DB 1 TTTTCTTTGCTCTT 14

RESULT 2524  
 AAD07946  
 ID AAD07946 standard; DNA; 14 BP.  
 XX  
 AC AAD07946;  
 XX  
 DT 06-AUG-2001 (first entry)  
 XX  
 DE Human antisense oligonucleotide, OL-3.  
 XX  
 KW Human; antisense; amyloid precursor protein; APP; amyloid beta protein;  
 KW Abeta2; Alzheimer's disease; cognitive ability; antisense therapy;  
 KW neurotropic; neuroprotective; ss.  
 XX  
 OS Homo sapiens.  
 OS  
 PN W0200142266-A1.  
 XX  
 PD 14-JUN-2001.  
 XX  
 PF 08-DEC-2000; 2000WO-US033383.  
 XX  
 PR 09-DEC-1999; 99US-00458481.  
 XX  
 PA (UYSL-) UNIV SAINT LOUIS.  
 XX  
 PI Kumar VB;  
 XX  
 DR WPI; 2001-381626/40.  
 XX  
 PT Novel antisense compounds for modulating expression of amyloid beta  
 PT protein in cells or tissues and for preventing, treating conditions  
 PT associated with expression of amyloid beta protein, e.g. Alzheimer's  
 PT disease.  
 XX  
 PS Claim 10; Page 6; 70pp; English.  
 XX  
 CC The present invention relates to an antisense compound comprising  
 CC nucleotides complementary to a nucleic acid sequence coding for amyloid  
 CC precursor protein (APP) and which inhibits the expression of amyloid beta  
 CC protein (Abeta) portion of APP coding sequence while permitting the  
 CC expression of at least a portion of APP polynucleotide 5' to the Abeta  
 CC portion of APP coding sequence. This antisense compound is useful for  
 CC modulating the expression of Abeta in cells or tissues, for preventing or  
 CC treating a disease or condition associated with expression of Abeta, in  
 CC particular Alzheimer's disease. The antisense compound is also useful for  
 CC improving cognitive ability in a mammal having a disease or condition  
 CC associated with the expression of Abeta. Antisense compounds are used in  
 CC antisense therapy. The present sequence is human antisense  
 CC oligonucleotide  
 XX  
 SQ Sequence 14 BP; 5 A; 6 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 930 ATCCCTCTCTTCA 943  
 DB 1 AACCCACATCTTCA 14

RESULT 2525  
 AAC83822/c  
 ID AAC83822 standard; RNA; 14 BP.  
 XX  
 AC AAC83822;  
 XX  
 DT 28-FEB-2001 (first entry)  
 XX  
 DE RNA oligonucleotide #2 used in a binding assay.  
 XX

KW L-ribo-configured Locked Nucleoside Analogue; L-ribo-LNA analogue; ss.  
 XX Unidentified.  
 OS WO200066604-A2.  
 XX  
 PN  
 XX  
 XX  
 PD 09-NOV-2000.  
 XX  
 XX  
 PF 04-MAY-2000; 2000WO-DK000225.  
 XX  
 XX 04-MAY-1999; 99DK-00000603.  
 PR 01-SEP-1999; 99DK-00001225.  
 PR 11-JAN-2000; 2000DK-00000032.  
 XX  
 PA (EXIQ-) EXIQON AS.  
 XX  
 PI Wengel J;  
 XX  
 XX WPI; 2001-060972/07.  
 DR  
 XX  
 XX Oligomers comprising L-ribo-Locked Nucleic Acid (LNA) nucleosides, useful  
 PT for therapeutic purposes e.g. in the construction of oligonucleotides, as  
 PT substrates for nucleic acids polymerases and in RNA mediated catalytic  
 PT processes.  
 XX  
 XX Example 11; Page 56; 79pp; English.  
 PS  
 XX  
 XX The present invention relates to an oligomer comprising L-ribo-  
 CC configured Locked Nucleoside Analogues (L-ribo-LNA analogues). The  
 CC present sequence is an RNA oligonucleotide. Binding studies of the L-ribo  
 CC -LNA analogues towards the present sequence were carried out, to  
 CC determine the thermostability of the L-ribo-LNA analogues. The analogs of  
 CC the present invention have a variety of uses e.g. in the preparation of  
 CC conjugates of the L-ribo-LNA modified oligonucleotides (oligomers)  
 XX  
 XX Sequence 14 BP; 13 A; 1 C; 0 G; 0 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 909 TTTCTTTGGTCTTT 922  
 DB 14 TTTTCTTTGGTCTTT 1  
 RESULT 2526  
 AAL42800  
 ID AAL42800 standard; DNA; 14 BP.  
 XX  
 AC AAL42800;  
 XX  
 DT 05-AUG-2002 (first entry)  
 DE  
 XX Novel DNA chip manufacturing method-related DNA sequence 9.  
 KW Novel DNA chip; ss; manufacture; uni chip; reverse transcriptase;  
 KW novel gene detection.  
 OS Unidentified.  
 XX KR2001095748-A.  
 PN  
 XX 07-NOV-2001.  
 PD  
 XX 11-APR-2000; 2000KR-00019072.  
 PF  
 XX 11-APR-2000; 2000KR-00019072.  
 PR  
 XX (SONG/) SONG K H.  
 PA  
 PI Park JS;  
 XX  
 XX Analyzing RNA by partially hydrolyzing RNA, separating and detecting  
 PT cleaved RNA by high performance liquid chromatography, and absence of

DR WPI; 2002-301918/34.  
 XX  
 XX Manufacturing of DNA chip using reverse transcriptase enzyme to detect  
 PT novel genes comprises genetic recombinant techniques.  
 XX  
 XX Disclosure; Page 5; 6pp; Korean.  
 PS  
 XX  
 CC The invention comprises a method of manufacturing a novel DNA chip (uni  
 CC chip), using reverse transcriptase. The invention further comprises a  
 CC method of detecting novel genes (using the novel DNA chip). The  
 CC manufacturing method comprises the steps of: preparing various kinds of  
 CC primers on a DNA chip by annealing an oligonucleotide primer having a  
 CC specific sequence to a DNA chip having a poly T tail; complementarily  
 CC annealing unsequenced mRNA to the primers; adding reverse transcriptase  
 CC to synthesize cDNA on the DNA chip; and removing mRNA therefrom using  
 CC RNase to obtain a cDNA library chip having only cDNA  
 XX  
 SQ Sequence 14 BP; 1 A; 2 C; 1 G; 10 T; 0 U; 0 Other;  
 Query Match 12.6%; Score 9.2; DB 1; Length 14;  
 Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 908 TTTCTTTGGTCTTT 921  
 DB 1 TTTTCTTTGGTCTTT 14  
 RESULT 2527  
 AAL50500/c  
 ID AAL50500 standard; RNA; 14 BP.  
 XX  
 AC AAL50500;  
 XX  
 DT 05-DEC-2002 (first entry)  
 DE  
 XX Ribozyme complex RNA strand #2.  
 XX Ribozyme complex RNA strand; RNA structural properties; IP-RP-HPLC;  
 KW ion pairing reverse phase high performance liquid chromatography; ss;  
 KW intramolecular interaction; three-dimensional structure.  
 XX  
 OS Unidentified.  
 XX  
 XX Key Location/Qualifiers  
 FT misc\_binding 1..4  
 FT /tag= a  
 FT /bound\_moiety= "Ribozyme complex strand #1"  
 FT /note= "Binds to nucleotides 14-11 of the RNA sequence  
 FT shown in (AAL50499)"  
 FT 9..14  
 FT /tag= b  
 FT /bound\_moiety= "Ribozyme complex strand #1"  
 FT /note= "Binds to nucleotides 6-1 of the RNA sequence  
 FT shown in (AAL50499)"  
 XX  
 XX US2002094539-A1.  
 XX  
 XX 18-JUL-2002.  
 PD  
 XX  
 XX 25-JAN-2002; 2002US-00058267.  
 PF  
 XX 29-NOV-2000; 2000US-00727138.  
 PR  
 XX (HORN/) HORNEY D P.  
 PA (DICK/) DICKMAN M.  
 XX  
 XX Hornby DP, Dickman M;  
 PI  
 XX WPI; 2002-690387/74.  
 DR  
 XX  
 XX Analyzing RNA by partially hydrolyzing RNA, separating and detecting  
 PT cleaved RNA by high performance liquid chromatography, and absence of

PT cleavage in region of RNA indicates that the region is inaccessible to

XX solvent.

XX Example 2; Fig 2; 16pp; English.

XX The invention comprises a method for analysing the structural properties  
CC of an RNA molecule. The method of the invention involves contacting the  
CC RNA molecule with a cleavage reagent capable of partially hydrolysing the  
CC RNA. The cleaved RNA is then separated and detected by ion pairing  
CC reverse phase high performance liquid chromatography (IP-RP-HPIC) -  
CC absence of cleavage events in a region of the RNA indicates that the  
CC region is relatively inaccessible to solvent. The method of the invention  
CC is useful for analysing the structural properties of the RNA molecule,  
CC including region(s) that are relatively inaccessible to solvent owing to  
CC intramolecular interactions. The method is used to characterise the three  
CC -dimensional structure of an RNA molecule, and is used to characterise  
CC the interaction of an RNA (e.g. a ribozyme) with its substrate, where the  
CC intermolecular interaction is between the RNA molecule and an RNA binding  
CC protein. The present RNA sequence represents a ribozyme complex strand  
CC that was used in an example of the invention

XX Sequence 14 BP; 8 A; 1 C; 4 G; 0 T; 1 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;  
Best Local Similarity 78.6%; Pred. No. 1.5e+03;  
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 927 TTTATCCCTCCCT 940

Db 14 TTTATCTCTCGCT 1

RESULT 2528

ADE64664

ID ADE64664 standard; DNA; 14 BP.

AC ADE64664;

XX 29-JAN-2004 (first entry)

XX

XX Yak milk protein gene related oligo, 454-467.

XX

XX yak milk; alpha-lactalbumin; beta-lactoglobulin; alpha S1-casein;

KW alpha S2-casein; beta-casein; kappa-casein; lactoferritin; ss.

XX

OS Bos grunniens.

XX

XX CN1357627-A.

XX

PD 10-JUL-2002.

XX

XX 08-DEC-2000; 2000CN-00134189.

XX

XX 08-DEC-2000; 2000CN-00134189.

XX

XX (LINN/) LI N.

XX

PI Li N, Fan B, Wu C;

XX

XX WPI; 2002-741796/81.

XX

XX Seven kinds of yak milk protein gene sequence.

XX

XX Disclosure; Page 8 (disclosure); 41pp; Chinese.

XX

XX The present invention discloses seven kinds of full length and partial  
CC sequences of a yak milk protein gene. They include alpha-lactalbumin  
CC gene full length sequence, alpha-lactalbumin gene 5' lateral wing  
CC sequence, beta-lactoglobulin gene 5' lateral wing and 3' terminal  
CC sequence, alpha S1-casein gene 5' lateral wing and 3' terminal sequence,  
CC alpha S2-casein gene 5' lateral wing sequence, beta -casein gene 5'  
CC lateral wing and 3' terminal sequence, kappa- casein gene 5' lateral wing  
CC and 3' terminal sequence, and lactoferritin gene 5' lateral wing

CC sequence. This polynucleotide sequence represents an oligo relating to

XX the yak milk protein genes of the invention.

SQ Sequence 14 BP; 1 A; 3 C; 1 G; 9 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 14;

Best Local Similarity 78.6%; Pred. No. 1.5e+03;

Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 937 CTCTTCATTCGTTT 950

Db 1 CACTTCTTTGTTT 14

RESULT 2529

ABA77714/C

ID ABA77714 standard; DNA; 17 BP.

XX

XX ABA77714;

XX

XX 24-JAN-2002 (first entry)

XX

XX Retinoblastoma mutation correcting oligonucleotide SEQ ID NO: 560.

XX Human; Gene therapy; adenosine deaminase deficiency; p53; beta-globin;  
KW retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V;  
KW cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2;  
KW adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis;  
KW haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE;  
KW mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR;  
KW familial hypercholesterolaemia; UGT1; syndrome; APP; PSEN1; antisense;  
KW UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1;  
KW Alzheimer's disease; cytostatic; antitickling; antianaemic; haemostatic;  
antileptic; ss.

XX Homo sapiens.

OS

XX WO200173002-A2.

XX

XX 04-OCT-2001.

XX

XX 27-MAR-2001; 2001WO-US009761.

XX

XX 27-MAR-2000; 2000US-0192176P.

PR

XX 27-MAR-2000; 2000US-0192176P.

PR

XX 01-JUN-2000; 2000US-0208538P.

PR

XX 30-OCT-2000; 2000US-0244989P.

XX

XX (UYDE ) UNIV DELAWARE.

XX

XX Kmiec EB, Gamper HB, Rice MC;

PI

XX WPI; 2001-639230/73.

XX

XX Oligonucleotide for targeted alterations of genetic sequences and for  
PT treating cystic fibrosis, comprises at least one mismatch and chemical  
PT modification.

XX

XX Claim 7; Page 77; 294pp; English.

XX

XX The present invention provides single-stranded oligonucleotides which can  
CC be used for the targeted alteration of genomic sequences, where the  
CC oligonucleotide has at least one mismatch compared with the genomic  
CC sequence to be altered. In particular, these sequences are directed at  
CC the following genes: adenosine deaminase, p53, beta-globin,  
CC retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A  
CC (CDKN2A), APC, Factor V, Factor VII, Factor IX, haemoglobin alpha locus  
CC 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6,  
CC apolipoprotein E (APOE), LDL receptor (LDLR), UDP-glucuronosyltransferase  
CC (UGT1), amyloid precursor protein (APP), Presenilin-1 (PSEN1) and  
CC presenilin-2 (PSEN2). These can be used in the gene therapy of diseases  
CC such as cancer, adenosine deaminase deficiency, cystic fibrosis,  
CC haemophilia, hypercholesterolaemia, thalassaemia, sickle cell anaemia,

CC Alzheimer's disease, melanoma, adenomatous polyposis of the colon and  
 CC various syndromes. The present sequence is one of the gene correcting  
 CC oligonucleotides of the invention

XX SQ Sequence 17 BP; 5 A; 4 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 17;  
 Best Local Similarity 78.6%; Pred. No. 1.6e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 953 TGTATCGCTACCAA 966  
 |||||  
 DB 14 TGTAGCGATACAAA 1

## RESULT 2530

ABA77713  
 ID ABA77713 standard; DNA; 17 BP.

XX AC ABA77713;

XX DT 24-JAN-2002 (first entry)

XX DE Retinoblastoma mutation correcting oligonucleotide SEQ ID NO: 559.

XX Human; gene therapy; adenosine deaminase deficiency; p53; beta-globin;  
 KW retinoblastoma; BRCA1; BRCA2; CFTR; cystic fibrosis; cancer; Factor V;  
 KW cyclin-dependent kinase inhibitor 2A; CDKN2A; melanoma; APC; HBA1; HBA2;  
 KW adenomatous polyposis of the colon; Factor VII; Factor IX; thrombosis;  
 KW haemophilia; alpha thalassaemia; haemoglobin alpha locus 1; MLH1; APOE;  
 KW mismatch repair; MSH2; MSH6; hyperlipidaemia; apolipoprotein E; LDLR;  
 KW familial hypercholesterolaemia; UGR1; syndrome; APP; PSEN1; antisense;  
 KW UDP-glucuronosyltransferase; amyloid precursor protein; presenilin-1;  
 KW Alzheimer's disease; cytostatic; antiskilling; antianaemic; haemostatic;  
 KW antilipemic; ss.

XX OS Homo sapiens.

XX PN WO200173002-A2.

XX PD 04-OCT-2001.

XX PF 27-MAR-2001; 2001WO-US009761.

XX PR 27-MAR-2000; 2000US-0192176P.

XX PR 27-MAR-2000; 2000US-0192179P.

XX PR 01-JUN-2000; 2000US-0208538P.

XX PR 30-OCT-2000; 2000US-0244989P.

XX PA (UYDS ) UNIV DELAWARE.

XX PI Kmiec EB, Gamper HB, Rice MC;

XX DR WPI; 2001-639230/73.

PT Oligonucleotide for targeted alterations of genetic sequences and for  
 PT treating cystic fibrosis, comprises at least one mismatch and chemical  
 PT modification.

XX Claim 7; Page 77; 294pp; English.

XX The present invention provides single-stranded oligonucleotides which can  
 CC be used for the targeted alteration of genomic sequences, where the  
 CC oligonucleotide has at least one mismatch compared with the genomic  
 CC sequence to be altered. In particular, these sequences are directed at  
 CC the following genes: adenosine deaminase, p53, beta-globin,  
 CC retinoblastoma, BRCA1, BRCA2, CFTR, cyclin-dependent kinase inhibitor 2A  
 CC (CDKN2A), APC, Factor V, Factor VII, Factor IX, haemoglobin alpha locus  
 CC 1 (HBA1), haemoglobin alpha locus 2 (HBA2), MLH1, MSH2, MSH6,  
 CC apolipoprotein E (APOE), LDL receptor (LDLR), UDP-glucuronosyltransferase  
 CC (UGT1), amyloid precursor protein (APP), presenilin-1 (PSEN1) and  
 CC presenilin-2 (PSEN2). These can be used in the gene therapy of diseases  
 CC such as cancer, adenosine deaminase deficiency, cystic fibrosis,

CC haemophilia, hypercholesterolaemia, thalassaemia, sickle cell anaemia,  
 CC Alzheimer's disease, melanoma, adenomatous polyposis of the colon and  
 CC various syndromes. The present sequence is one of the gene correcting  
 CC oligonucleotides of the invention

XX SQ Sequence 17 BP; 6 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.6%; Score 9.2; DB 1; Length 17;  
 Best Local Similarity 78.6%; Pred. No. 1.6e+03;  
 Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 953 TGTATCGCTACCAA 966  
 |||||  
 DB 4 TGTAGCGATACAAA 17

## RESULT 2531

AAQ96587/C  
 ID AAQ96587 standard; DNA; 10 BP.

XX AC AAQ96587;

XX DT 16-OCT-2003 (revised)

XX DT 20-MAR-1996 (first entry)

XX DE HIV-1 NL4-3 nef gene nucleotide deletion 182.

XX KW HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; ss.

XX OS Human immunodeficiency virus 1.

XX PN W09521912-A1.

XX PD 17-AUG-1995.

XX PF 14-FEB-1995; 95WO-AU000063.

XX PR 14-FEB-1994; 94AU-00003864.

XX PR 21-FEB-1994; 94AU-00004002.

XX PR 23-DEC-1994; 94AU-00000284.

XX PA (MACF-) MACFARLANE BURNET CENT MEDICAL.

XX PI (AURE-) AUSTRALIAN RED CROSS SOC.

XX DR Deacon NJ, Learmont JC, McPhee DA, Crowe S, Cooper D;

XX DR WPI; 1995-293115/38.

PT New non-pathogenic HIV-1 strain carrying a deletion in its nef gene or  
 PT LTR region - can be used in a vaccine to inhibit/reduce productive  
 PT infection in an individual by a pathogenic strain.

XX Claim 13; Page 190; 301pp; English.

XX Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or  
 CC more decanucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or more  
 CC decanucleotides (AAQ97019-Q97166) from the LTR region; the sequence of  
 CC AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The  
 CC resulting avirulent HIV strains are still capable of inducing an immune  
 CC response in humans, and enable the generation of therapeutic, diagnostic  
 CC and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to  
 CC standardise OS field)

XX SQ Sequence 10 BP; 5 A; 0 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 933 CCTCCTCTT 941  
 |||||  
 DB 9 CCTCCTCTT 1

```

RESULT 2532
AAQ96586/c
ID AAQ96586 standard; DNA; 10 BP.
XX
AC AAQ96586;
XX
DT 16-OCT-2003 (revised)
DT 20-MAR-1996 (first entry)
XX
DE HIV-1 NL4-3 nef gene nucleotide deletion 181.
XX
KW HIV-1; AIDS; attenuation; vaccine; nef gene; avirulence; ss.
XX
OS Human immunodeficiency virus 1.
XX
PN WO9521912-A1.
XX
PD 17-AUG-1995.
XX
PF 14-FEB-1995; 95WO-AU000063.
XX
PR 14-FEB-1994; 94AU-00003864.
PR 21-FEB-1994; 94AU-00004002.
PR 23-DEC-1994; 94AU-00000284.
XX
PA (MACF-) MACFARLANE BURNET CENT MEDICAL.
PA (AURE-) AUSTRALIAN RED CROSS SOC.
XX
PI Deacon NJ, Learmont JC, Mcphee DA, Crowe S, Cooper D;
XX
DR WPI; 1995-293115/38.
XX
PT New non-pathogenic HIV-1 strain carrying a deletion in its nef gene or
PT LTR region - can be used in a vaccine to inhibit/reduce productive
PT infection in an individual by a pathogenic strain.
XX
PS Claim 13; Page 190; 301pp; English.
XX
CC Attenuation of pathogenic HIV-1 strain NL4-3 involves deletion of 1 or
CC more decaucleotides (AAQ96406-Q97018) from the nef gene and/or 1 or more
CC decaucleotides (AAQ97019-Q97166) from the LTR region; the sequence of
CC AAQ96406 corresponds to nucleotides 1-10 of the nef gene (AAQ96141). The
CC resulting avirulent HIV strains are still capable of inducing an immune
CC response in humans, and enable the generation of therapeutic, diagnostic
CC and targeting agents against HIV-1 infection. (Updated on 16-OCT-2003 to
CC standardise OS field)
XX
SQ Sequence 10 BP; 4 A; 1 C; 5 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
Db 10 CCTCCTCTT 2

RESULT 2533
AAQ08716/c
ID AAQ08716 standard; DNA; 10 BP.
XX
AC AAQ08716;
XX
DT 27-SEP-1999 (first entry)
XX
DE Potential NF-AT consensus binding site.
XX
KW NF-AT3; hypertrophy; cardiomyocytes; cardiac hypertrophic response;
KW heart failure; transgenic animals; screening; treatment; inhibition; ss.
XX
OS Rattus rattus.

```

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XX WO9919471-A1.
XX
PN 22-APR-1999.
XX
PF 15-OCT-1998; 98WO-US021845.
XX
PR 16-OCT-1997; 97US-0062864P.
PR 10-NOV-1997; 97US-0065178P.
PR 15-APR-1998; 98US-0081853P.
PR 16-APR-1998; 98US-00061417.
XX
PA (TEXA ) UNIV TEXAS SYSTEM.
PA (UUNT-) UNIV NORTH TEXAS HEALTH SCI CENT.
XX
PI Olson EN, Grant SR, Molkentin JD;
XX
DR WPI; 1999-277635/23.
XX
PT Treating hypertrophy in cardiomyocytes by inhibiting NF-A3.
XX
PS Example 4; Page 67; 105pp; English.
XX
CC Hypertrophy in cardiomyocytes is treated by inhibiting function of NF-
CC AT3. Activation of NF-AT3 mediates the calcium ion-dependent cardiac
CC hypertrophic response to a variety of stimuli, so inhibiting it can be
CC used to treat or prevent cardiac hypertrophy and related heart failure.
CC Transgenic animals, or cells, containing a constitutively active NF-AT3
CC gene can be used as models for screening modulators of hypertrophy and
CC for studying human disease. NF-AT3 interacts with GATA4 to have a
CC functional role in cardiac gene expression. The BNP cardiac promoter is
CC upregulated during cardiac hypertrophy and shows a dramatic response to
CC the GATA4-NF-AT3 interaction. Three potential NF-AT3 consensus binding
CC sites were identified in the BNP promoter (SEE AAX08714-16). This
CC sequence was identified at -27 in the promoter sequence
XX
SQ Sequence 10 BP; 6 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933
Db 10 CTTTATCC 2

RESULT 2534
AAZ78093/c
ID AAZ78093 standard; DNA; 10 BP.
XX
AC AAZ78093;
XX
DT 10-APR-2000 (first entry)
XX
DE Human dendritic cell SAGE tag, SEQ ID NO:521.
XX
KW SAGE tag; serial analysis of gene expression; antigen-presenting cell;
KW APC; monocyte-derived dendritic cell; differential gene expression;
KW immunostimulatory cofactor; costimulatory factor; CTL;
KW cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.
XX
OS Homo sapiens.
XX
PN WO9965924-A2.
XX
PD 23-DEC-1999.
XX
PF 18-JUN-1999; 99WO-US013800.
XX
PR 19-JUN-1998; 98US-0089833P.
PR 19-JUN-1998; 98US-0089844P.
PR 19-JUN-1998; 98US-0089853P.

```

PR	19-JUN-1998;	98US-0089878P.	SQ	Sequence 10 BP; 7 A; 1 C; 2 G; 0 T; 0 U; 0 Other;
PR	19-JUN-1998;	98US-0089991P.	Query Match	12.3%; Score 9; DB 1; Length 10;
PR	19-JUN-1998;	98US-0089992P.	Best Local Similarity	100.0%; Pred. No. 1.3e+03;
PR	19-JUN-1998;	98US-0089993P.	Matches 9; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
PR	19-JUN-1998;	98US-0089994P.		
PR	19-JUN-1998;	98US-0089997P.		
PR	19-JUN-1998;	98US-0089999P.		
PR	19-JUN-1998;	98US-0090000P.		
PR	19-JUN-1998;	98US-0090003P.		
PR	19-JUN-1998;	98US-0090036P.		
PR	19-JUN-1998;	98US-0090038P.		
PR	19-JUN-1998;	98US-0090039P.		
PR	19-JUN-1998;	98US-0090040P.		
PR	19-JUN-1998;	98US-0090041P.		
PR	19-JUN-1998;	98US-0090042P.		
PR	19-JUN-1998;	98US-0090043P.		
PR	19-JUN-1998;	98US-0090044P.		
PR	19-JUN-1998;	98US-0090045P.		
PR	19-JUN-1998;	98US-0090047P.		
PR	19-JUN-1998;	98US-0090072P.		
PR	19-JUN-1998;	98US-0090076P.		
PR	19-JUN-1998;	98US-0090077P.		
PR	19-JUN-1998;	98US-0090078P.		
PR	19-JUN-1998;	98US-0090079P.		
PR	19-JUN-1998;	98US-0090080P.		
PR	08-DEC-1998;	98US-0111715P.		
XX				
PA	(GENZ ) GENZYME CORP.			
PA	(ROBE/) ROBERTS B L.			
PA	(SHAN/) SHANKARA S.			
XX				
PI	Roberts BL, Shankara S;			
DR	WPI; 2000-106077/09.			
XX				
XX	Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.			
PT				
XX				
PS	Claim 1; Page 80; 130pp; English.			
XX				
CC	Sequences AAZ77573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while other transcripts correspond to novel genes. Antigen-presenting cell (APC)-associated costimulatory factors play an important role in the activation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytotoxic immune response that can lyse the tumour cells, immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen, to modulate the genotype of an APC, to screen for agents that modulate expression of differentially expressed genes in an APC; and as hybridisation probes/amplification primers for the diagnosis, prognosis and monitoring of diseases related to abnormal expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, recruitment of T cell growth factors and secretion of chemokines for recruitment of immune effector cells			
XX				



cells, useful in gene vaccines against cancer.  
 Claim 1; Page 103; 130pp; English.  
 Sequences AA277573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while other transcripts correspond to novel genes. Antigen-presenting cell (APC)-associated costimulatory factors play an important role in the activation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytotoxic immune response that can lyse the tumour cells. Immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for agents that modulate expression of differentially expressed genes in an APC; and as hybridisation probes/amplification primers for the diagnosis, prognosis and monitoring of diseases related to abnormal expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, secretion of T cell growth factors and secretion of chemokines for recruitment of immune effector cells  
 Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 912 CTTTGGTCT 920  
 Db | | | | | | | | | |  
 9 CTTTGGTCT 1  
 RESULT 2536  
 AA279067  
 ID AA279067 standard; DNA; 10 BP.  
 XX AC AA279067;  
 XX DT 10-APR-2000 (first entry)  
 XX DE Human dendritic cell SAGE tag, SEQ ID NO:1495.  
 KW SAGE tag; serial analysis of gene expression; antigen-presenting cell;  
 KW APC; monocyte-derived dendritic cell; differential gene expression;  
 KW immunostimulatory cofactor; costimulatory factor; CTL;  
 KW cytotoxic T-lymphocyte; tumour antigen; immunotherapy; anticancer; ss.  
 OS Homo sapiens.  
 XX WO9965924-A2.  
 XX PD 23-DEC-1999.  
 XX PF 18-JUN-1999; 99WO-US013800.  
 XX PR 19-JUN-1998; 98US-0089833P.  
 XX PR 19-JUN-1998; 98US-0089844P.

PR 19-JUN-1998; 98US-0089853P.  
 PR 19-JUN-1998; 98US-0089878P.  
 PR 19-JUN-1998; 98US-0089911P.  
 PR 19-JUN-1998; 98US-0089922P.  
 PR 19-JUN-1998; 98US-0089933P.  
 PR 19-JUN-1998; 98US-0089944P.  
 PR 19-JUN-1998; 98US-0089977P.  
 PR 19-JUN-1998; 98US-0089999P.  
 PR 19-JUN-1998; 98US-0090000P.  
 PR 19-JUN-1998; 98US-0090035P.  
 PR 19-JUN-1998; 98US-0090036P.  
 PR 19-JUN-1998; 98US-0090039P.  
 PR 19-JUN-1998; 98US-0090040P.  
 PR 19-JUN-1998; 98US-0090041P.  
 PR 19-JUN-1998; 98US-0090042P.  
 PR 19-JUN-1998; 98US-0090043P.  
 PR 19-JUN-1998; 98US-0090044P.  
 PR 19-JUN-1998; 98US-0090045P.  
 PR 19-JUN-1998; 98US-0090047P.  
 PR 19-JUN-1998; 98US-0090048P.  
 PR 19-JUN-1998; 98US-0090072P.  
 PR 19-JUN-1998; 98US-0090076P.  
 PR 19-JUN-1998; 98US-0090077P.  
 PR 19-JUN-1998; 98US-0090078P.  
 PR 19-JUN-1998; 98US-0090079P.  
 PR 19-JUN-1998; 98US-0090080P.  
 PR 08-DEC-1998; 98US-0111715P.  
 XX (GENZ ) GENZYME CORP.  
 PA (ROBE/) ROBERTS B L.  
 PA (SHAN/) SHANKARA S.  
 PI Roberts BL, Shankara S;  
 DR WPI; 2000-106077/09.  
 XX Isolated polynucleotides differentially expressed in antigen-presenting cells, useful in gene vaccines against cancer.  
 PT Claim 1; Page 107; 130pp; English.  
 PS Sequences AA277573-279709 represent SAGE (serial analysis of gene expression) tags used to identify mRNA transcripts encoding immunostimulatory cofactor proteins which are preferentially or differentially expressed in monocyte-derived dendritic cells compared with monocytes. Some of the transcripts correspond to known genes or ESTs (expressed sequence tags) which were previously unknown to be preferentially or differentially expressed in dendritic cells, while other transcripts correspond to novel genes. Antigen-presenting cell (APC)-associated costimulatory factors play an important role in the activation of the cytotoxic immune response, particularly against tumour cells. Tumour antigen presentation via the MHC (major histocompatibility complex) and subsequent recognition by T-cell receptors is alone insufficient to activate a robust cytotoxic immune response that can lyse the tumour cells. Immunostimulatory cofactors also being required for efficient activation of cytotoxic T-lymphocytes (CTLs). Nucleic acid sequences identified using the SAGE tags have several potential uses. They may be used in vaccines to induce an immune response, particularly against a tumour antigen; to modulate the genotype of an APC; to screen for agents that modulate expression of differentially expressed genes in an APC; and as hybridisation probes/amplification primers for the diagnosis, prognosis and monitoring of diseases related to abnormal expression of these genes. Detection of the dendritic cell differentially expressed genes, or of their encoded proteins, can be used to identify cells as belonging to the monocyte lineage. Cells containing these genes can be used in active immunotherapy (or to stimulate production of a population of antigen-specific effector cells) and vectors containing them are used in gene therapy. Co-administration of tumour antigens and APC-associated costimulatory factors ensures adequate antigen presentation to endogenous APCs and upregulates the APCs for the presentation of co-stimulatory signals, migration to T cell-rich sites, secretion of T cell growth factors and secretion of chemokines for recruitment of immune effector cells

XX SQ Sequence 10 BP; 1 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 932 CCTCTCTCT 940  
DB 2 CCTCTCTCT 10  
RESULT 2537  
AAZ81571/C  
ID AAZ81571 standard; DNA; 10 BP.  
XX AC AAZ81571;  
XX DT 07-APR-2000 (first entry)  
XX DE Metastatic breast tumour cell upregulated transcript tag #805.  
XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
KW antimetastatic; vaccine; diagnosis; ss.  
XX OS Homo sapiens.  
XX PN WO9965928-A2.  
XX PD 23-DEC-1999.  
XX PF 18-JUN-1999; 99WO-US013647.  
XX PR 19-JUN-1998; 98US-0089853P.  
XX PR 19-JUN-1998; 98US-0089997P.  
XX PR 19-JUN-1998; 98US-0090039P.  
XX PR 19-JUN-1998; 98US-0090040P.  
XX PR 19-JUN-1998; 98US-0090041P.  
XX (GENZ ) GENZYME CORP.  
PA (ROBE/) ROBERTS B L.  
PA (SHAN/) SHANKARA S.  
PI Roberts BL, Shankara S;  
PI WPI; 2000-106079/09.  
DR  
XX  
XX Isolated polynucleotides differentially expressed between metastatic and  
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and  
PT treatment of cancer.  
XX  
PS Claim 1; Page 79; 219pp; English.  
XX  
XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
CC that are preferentially transcribed in the metastatic breast tumour  
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
CC preferentially transcribed in the primary or non-metastatic breast tumour  
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
CC transcripts can be used for diagnosis, prognosis, monitoring and  
CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
CC by standard immunoassays or hybridisation/amplification reactions.  
CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in  
CC vaccines; for diagnosing breast cancer and for raising specific  
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector

XX cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
CC immunotherapy  
XX  
XX SQ Sequence 10 BP; 5 A; 2 C; 1 G; 1 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 912 CTTTGTCTCT 920  
DB 9 CTTTGTCTCT 1  
RESULT 2538  
AAZ81926  
ID AAZ81926 standard; DNA; 10 BP.  
XX AC AAZ81926;  
XX DT 07-APR-2000 (first entry)  
XX DE Metastatic breast tumour cell upregulated transcript tag #1160.  
XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
KW antimetastatic; vaccine; diagnosis; ss.  
XX OS Homo sapiens.  
XX PN WO9965928-A2.  
XX PD 23-DEC-1999.  
XX PF 18-JUN-1999; 99WO-US013647.  
XX PR 19-JUN-1998; 98US-0089853P.  
XX PR 19-JUN-1998; 98US-0089997P.  
XX PR 19-JUN-1998; 98US-0090039P.  
XX PR 19-JUN-1998; 98US-0090040P.  
XX PR 19-JUN-1998; 98US-0090041P.  
XX (GENZ ) GENZYME CORP.  
PA (ROBE/) ROBERTS B L.  
PA (SHAN/) SHANKARA S.  
PI Roberts BL, Shankara S;  
PI WPI; 2000-106079/09.  
DR  
XX  
XX Isolated polynucleotides differentially expressed between metastatic and  
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and  
PT treatment of cancer.  
XX  
PS Claim 1; Page 89; 219pp; English.  
XX  
XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
CC that are preferentially transcribed in the metastatic breast tumour  
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
CC preferentially transcribed in the primary or non-metastatic breast tumour  
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
CC transcripts can be used for diagnosis, prognosis, monitoring and  
CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
CC by standard immunoassays or hybridisation/amplification reactions.  
CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in  
CC vaccines; for diagnosing breast cancer and for raising specific  
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector

CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector  
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
CC immunotherapy  
XX  
SQ Sequence 10 BP; 0 A; 2 C; 1 G; 7 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 921 TTGCTTTT 929  
| | | | |  
Db 1 TTGCTTTT 9  
| | | | |  
RESULT 2539  
AAZ84493  
ID AAZ84493 standard; DNA; 10 BP.  
XX  
AC AAZ84493;  
XX  
DT 07-APR-2000 (first entry)  
XX  
DE Metastatic breast tumour cell downregulated transcript tag #3727.  
XX  
DE Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
KW antimetastatic; vaccine; diagnosis; ss.  
XX  
OS Homo sapiens.  
XX  
FN WO9965928-A2.  
XX  
PD 23-DEC-1999.  
XX  
PF 18-JUN-1999; 99WO-US013647.  
XX  
PR 19-JUN-1998; 98US-0089853P.  
PR 19-JUN-1998; 98US-0089997P.  
PR 19-JUN-1998; 98US-0090039P.  
PR 19-JUN-1998; 98US-0090040P.  
XX  
XX (GENZ ) GENZYME CORP.  
PA (ROBE/) ROBERTS B L.  
PA (SHAN/) SHANKARA S.  
XX  
PI Roberts BL, Shankara S;  
XX  
WPI; 2000-106079/09.  
XX  
PT Isolated polynucleotides differentially expressed between metastatic and  
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and  
XX treatment of cancer.  
XX  
PS Claim 1; Page 158; 219pp; English.  
XX  
CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
CC that are preferentially transcribed in the metastatic breast tumour  
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
CC preferentially transcribed in the primary or non-metastatic breast tumour  
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
CC transcripts can be used for diagnosis, prognosis, monitoring and  
CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
CC by standard immunoassays or hybridisation/amplification reactions.  
CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in

CC vaccines; for diagnosing breast cancer and for raising specific  
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector  
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
CC immunotherapy  
XX  
SQ Sequence 10 BP; 1 A; 1 C; 0 G; 8 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 907 ATTTCTTT 915  
| | | | |  
Db 2 ATTTCTTT 10  
| | | | |  
RESULT 2540  
AAZ85842  
ID AAZ85842 standard; DNA; 10 BP.  
XX  
AC AAZ85842;  
XX  
DT 07-APR-2000 (first entry)  
XX  
DE Metastatic breast tumour cell downregulated transcript tag #5076.  
XX  
DE Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
KW antimetastatic; vaccine; diagnosis; ss.  
XX  
OS Homo sapiens.  
XX  
FN WO9965928-A2.  
XX  
PD 23-DEC-1999.  
XX  
PF 18-JUN-1999; 99WO-US013647.  
XX  
PR 19-JUN-1998; 98US-0089853P.  
PR 19-JUN-1998; 98US-0089997P.  
PR 19-JUN-1998; 98US-0090039P.  
PR 19-JUN-1998; 98US-0090040P.  
XX  
XX (GENZ ) GENZYME CORP.  
PA (ROBE/) ROBERTS B L.  
PA (SHAN/) SHANKARA S.  
XX  
PI Roberts BL, Shankara S;  
XX  
WPI; 2000-106079/09.  
XX  
PT Isolated polynucleotides differentially expressed between metastatic and  
PT non-metastatic breast cancer cells, useful for diagnosis, prevention and  
XX treatment of cancer.  
XX  
PS Claim 1; Page 193; 219pp; English.  
XX  
CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
CC that are preferentially transcribed in the metastatic breast tumour  
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
CC preferentially transcribed in the primary or non-metastatic breast tumour  
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
CC transcripts can be used for diagnosis, prognosis, monitoring and  
CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
CC by standard immunoassays or hybridisation/amplification reactions.  
CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in

CC particularly an antigen-encoding sequence for use in gene or cell-based  
 CC vaccines. Polypeptides encoded by the transcripts are also useful in  
 CC vaccines; for diagnosing breast cancer and for raising specific  
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
 CC agents. Host cells that produce the polypeptides can be used to expand  
 CC and isolate populations of educated, antigen-specific immune effector  
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
 CC immunotherapy  
 XX  
 SQ Sequence 10 BP; 1 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 927 TTTATCCCT 935  
 |||||  
 Db 1 TTTATCCCT 9

RESULT 2541  
 AAZ80779  
 ID AAZ80779 standard; DNA; 10 BP.

AC AAZ80779;  
 DT 07-APR-2000 (first entry)

DE Metastatic breast tumour cell upregulated transcript tag #13.

XX Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
 KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
 KW antimetastatic; vaccine; diagnosis; ss.

XX Homo sapiens.

XX WO9965928-A2.

PN 23-DEC-1999.

XX 18-JUN-1999; 99WO-US013647.

XX 19-JUN-1998; 98US-0089853P.

PR 19-JUN-1998; 98US-0089997P.

PR 19-JUN-1998; 98US-0090039P.

PR 19-JUN-1998; 98US-0090040P.

XX (GENZ ) GENZYME CORP.

PA (ROBE/) ROBERTS B L.

PA (SHAN/) SHANKARA S.

PI Roberts BL, Shankara S;

XX WPI; 2000-106079/09.

XX Isolated polynucleotides differentially expressed between metastatic and

XX non-metastatic breast cancer cells, useful for diagnosis, prevention and

XX treatment of cancer.

XX Claim 1; Page 58; 219pp; English.

XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
 CC that are preferentially transcribed in the metastatic breast tumour  
 CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
 CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
 CC preferentially transcribed in the primary or non-metastatic breast tumour  
 CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
 CC transcripts can be used for diagnosis, prognosis, monitoring and  
 CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
 CC by standard immunoassays or hybridisation/amplification reactions.  
 CC Compounds that modulate expression of the transcripts are potentially  
 CC useful for treatment of (metastatic) breast cancer, while promoters from

CC the transcripts are used to direct expression, in selected cell types, of  
 CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
 CC particularly an antigen-encoding sequence for use in gene or cell-based  
 CC vaccines. Polypeptides encoded by the transcripts are also useful in  
 CC vaccines; for diagnosing breast cancer and for raising specific  
 CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
 CC agents. Host cells that produce the polypeptides can be used to expand  
 CC and isolate populations of educated, antigen-specific immune effector  
 CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
 CC immunotherapy  
 XX

SQ Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCTCTCTC 939  
 |||||  
 Db 2 TCCTCTCTC 10

RESULT 2542  
 AAZ82042  
 ID AAZ82042 standard; DNA; 10 BP.

AC AAZ82042;

XX 07-APR-2000 (first entry)

DE Metastatic breast tumour cell upregulated transcript tag #1276.

XX Human; metastatic breast tumour tissue; breast cancer; tag; primer;

XX non-metastatic breast tumour tissue; gene therapy; anticancer;

XX antimetastatic; vaccine; diagnosis; ss.

XX Homo sapiens.

XX WO9965928-A2.

XX 23-DEC-1999.

XX 18-JUN-1999; 99WO-US013647.

XX 19-JUN-1998; 98US-0089853P.

PR 19-JUN-1998; 98US-0089997P.

PR 19-JUN-1998; 98US-0090039P.

PR 19-JUN-1998; 98US-0090040P.

XX (GENZ ) GENZYME CORP.

PA (ROBE/) ROBERTS B L.

PA (SHAN/) SHANKARA S.

PI Roberts BL, Shankara S;

XX WPI; 2000-106079/09.

XX Isolated polynucleotides differentially expressed between metastatic and

XX non-metastatic breast cancer cells, useful for diagnosis, prevention and

XX treatment of cancer.

XX Claim 1; Page 92; 219pp; English.

XX AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
 CC that are preferentially transcribed in the metastatic breast tumour  
 CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
 CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
 CC preferentially transcribed in the primary or non-metastatic breast tumour  
 CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
 CC transcripts can be used for diagnosis, prognosis, monitoring and  
 CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
 CC by standard immunoassays or hybridisation/amplification reactions.

CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in  
CC vaccines; for diagnosing breast cancer and for raising specific  
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector  
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
CC immunotherapy

XX SQ Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 932 CCTCCTCT 940  
Db 1 CCTCCTCT 9

RESULT 2543  
AAZ84957/c  
ID AAZ84957 standard; DNA; 10 BP.  
XX AC AAZ84957;  
XX DT 07-APR-2000 (first entry)  
XX DE Metastatic breast tumour cell downregulated transcript tag #4191.  
XX KW Human; metastatic breast tumour tissue; breast cancer; tag; primer;  
XX KW non-metastatic breast tumour tissue; gene therapy; anticancer;  
XX KW antimetastatic; vaccine; diagnosis; ss.  
XX OS Homo sapiens.  
XX PN WO9965928-A2.  
XX PD 23-DEC-1999.  
XX PF 18-JUN-1999; 99WO-US013647.  
XX PR 19-JUN-1998; 98US-0089853P.  
XX PR 19-JUN-1998; 98US-0089997P.  
XX PR 19-JUN-1998; 98US-0090039P.  
XX PR 19-JUN-1998; 98US-0090040P.  
XX PR 19-JUN-1998; 98US-0090041P.  
XX PA (GENZ ) GENZYME CORP.  
XX PA (ROBE/) ROBERTS B L.  
XX PA (SHAN/) SHANKARA S.  
XX PI Roberts BL, Shankara S;  
XX WPI; 2000-106079/09.  
XX  
XX Isolated polynucleotides differentially expressed between metastatic and  
XX non-metastatic breast cancer cells, useful for diagnosis, prevention and  
XX treatment of cancer.  
XX  
XX Claim 1; Page 170; 219pp; English.

CC AAZ80767 to AAZ83941 represent tags corresponding to distinct transcripts  
CC that are preferentially transcribed in the metastatic breast tumour  
CC tissue (i.e. are upregulated in metastatic breast tumour cells). AAZ83942  
CC to AAZ86677 represent tags corresponding to distinct transcripts that are  
CC preferentially transcribed in the primary or non-metastatic breast tumour  
CC tissue (i.e. are downregulated in metastatic breast tumour cells). These  
CC transcripts can be used for diagnosis, prognosis, monitoring and

CC treatment of breast cancer, particularly where metastatic. Diagnosis is  
CC by standard immunoassays or hybridisation/amplification reactions.  
CC Compounds that modulate expression of the transcripts are potentially  
CC useful for treatment of (metastatic) breast cancer, while promoters from  
CC the transcripts are used to direct expression, in selected cell types, of  
CC e.g. therapeutic genes (also ribozymes or antisense sequences),  
CC particularly an antigen-encoding sequence for use in gene or cell-based  
CC vaccines. Polypeptides encoded by the transcripts are also useful in  
CC vaccines; for diagnosing breast cancer and for raising specific  
CC antibodies (Ab). Ab are used to detect the polypeptides or as therapeutic  
CC agents. Host cells that produce the polypeptides can be used to expand  
CC and isolate populations of educated, antigen-specific immune effector  
CC cells, e.g. cytotoxic T lymphocytes, and these used for adoptive  
CC immunotherapy

XX SQ Sequence 10 BP; 7 A; 1 C; 2 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 908 TTTTCTTTG 916  
Db 10 TTTTCTTTG 2

RESULT 2544  
AAH63804/c  
ID AAH63804 standard; cDNA; 10 BP.  
XX AC AAH63804;  
XX DT 20-SRP-2001 (first entry)  
XX DE Human ubiquitously expressed transcriptome sequence SEQ ID NO: 644.  
XX KW Human; transcriptome; gene expression pattern; cancer; drug screening;  
XX KW cancer diagnosis; cell specific gene expression; ss.  
XX OS Homo sapiens.  
XX PN WO200138577-A2.  
XX PD 31-MAY-2001.  
XX PF 21-NOV-2000; 2000WO-US031922.  
XX PR 24-NOV-1999; 99US-00448480.  
XX PA (UYJO ) UNIV JOHNS HOPKINS.  
XX PI Velulescu VE, Vogelstein B, Kinzler KW;  
XX WPI; 2001-367706/38.  
XX  
XX New isolated polynucleotides, useful for identifying specific cell type,  
XX such as cancer cell, comprises transcriptomes expressed in particular  
XX cell types.  
XX  
XX Claim 13; Page 53; 94pp; English.

CC The present invention describes a method of identifying the type of cell  
CC in a sample, involving determining which of the sequences AAH63161-  
CC AAH64724 is expressed by the cell. The transcriptomes described in the  
CC invention are cell-type specific, cancer specific or ubiquitously  
CC expressed in humans. They can also be used to screen for drugs, reduce  
CC cancer specific gene expression, standardise expression and restore the  
CC function of a diseased cell or tissue. The present sequence is one of the  
CC transcriptomes described in the exemplification of the invention

XX SQ Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;

Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGCTCT 920  
|||||  
Db 9 CTTTGCTCT 1

RESULT 2546  
AAF34140/C  
ID AAF34140 standard; DNA; 10 BP.  
XX AC AAF34140;  
XX DT 23-MAR-2001 (first entry)  
XX DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:879.  
XX KW Yeast; Saccharomyces cerevisiae; Characterisation; cell cycle; NORF;  
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
KW serial analysis of gene expression; antifungal; tag; identification;  
KW linker; PCR primer; ds.  
XX OS Saccharomyces cerevisiae.  
XX PN WO200077214-A2.  
XX PD 21-DEC-2000.  
XX PF 14-JUN-2000; 2000WO-US016223.  
XX PR 16-JUN-1999; 99US-00335032.  
XX PA (UYJO ) UNIV JOHNS HOPKINS.  
XX PI Velulescu V, Vogelstein B, Kinzler K;  
XX WPI; 2001-061874/07.  
XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
PT gene expression (SAGE) tags, useful for studying, monitoring and  
PT affecting phases of the cell cycle.  
XX Example; Page 31; 419pp; English.

CC The present invention describes an isolated DNA molecule comprising a  
CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
CC previously assigned open reading frame; or nonannotated ORF) genes  
CC comprising a SAGE (serial analysis of gene expression) tag. Also  
CC described are: (1) a method (M1) of using NORF genes to affect the cell  
CC cycle comprising administering a NORF gene whose expression varies by at  
CC least 10% between any two phases of the cell cycle selected from log  
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
CC cell; and (b) monitoring expression of a NORF gene whose expression  
CC varies as in M1, where a test substance which modifies the expression of  
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
CC identifying human genes which are involved in cell cycle progression  
CC comprising contacting human DNA with a probe which comprises at least 10  
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
CC and (4) a method (M4) for identifying a candidate drug as a member of a  
CC class of drugs having a characteristic effect on gene expression in a  
CC yeast cell comprising contacting a yeast cell with a candidate drug and  
CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
CC expression is affected by the class of drugs. The NORF genes may be used  
CC to study, monitor and affect phases of the cell cycle, the differentially  
CC expressed genes may be used as markers of phases of the cell cycle. The  
CC methods may be used to identify candidate drugs which affect the cell  
CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
CC represent SAGE tags used in the exemplification of the present invention.  
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
CC method, in the exemplification of the present invention

SQ Sequence 10 BP; 4 A; 3 C; 2 G; 1 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 916 GGTCTTTGC 924  
|||||  
Db 9 GGTCTTTGC 1

RESULT 2546  
AAF39280/C  
ID AAF39280 standard; DNA; 10 BP.  
XX AC AAF39280;  
XX DT 23-MAR-2001 (first entry)  
XX DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6019.  
XX KW Yeast; Saccharomyces cerevisiae; Characterisation; cell cycle; NORF;  
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
KW serial analysis of gene expression; antifungal; tag; identification;  
KW linker; PCR primer; ds.  
XX OS Saccharomyces cerevisiae.  
XX PN WO200077214-A2.  
XX PD 21-DEC-2000.  
XX PF 14-JUN-2000; 2000WO-US016223.  
XX PR 16-JUN-1999; 99US-00335032.  
XX PA (UYJO ) UNIV JOHNS HOPKINS.  
XX PI Velulescu V, Vogelstein B, Kinzler K;  
XX WPI; 2001-061874/07.  
XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
PT gene expression (SAGE) tags, useful for studying, monitoring and  
PT affecting phases of the cell cycle.  
XX Example; Page 215; 419pp; English.

CC The present invention describes an isolated DNA molecule comprising a  
CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
CC previously assigned open reading frame; or nonannotated ORF) genes  
CC comprising a SAGE (serial analysis of gene expression) tag. Also  
CC described are: (1) a method (M1) of using NORF genes to affect the cell  
CC cycle comprising administering a NORF gene whose expression varies by at  
CC least 10% between any two phases of the cell cycle selected from log  
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
CC cell; and (b) monitoring expression of a NORF gene whose expression  
CC varies as in M1, where a test substance which modifies the expression of  
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
CC identifying human genes which are involved in cell cycle progression  
CC comprising contacting human DNA with a probe which comprises at least 10  
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
CC and (4) a method (M4) for identifying a candidate drug as a member of a  
CC class of drugs having a characteristic effect on gene expression in a  
CC yeast cell comprising contacting a yeast cell with a candidate drug and  
CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
CC expression is affected by the class of drugs. The NORF genes may be used  
CC to study, monitor and affect phases of the cell cycle, the differentially  
CC expressed genes may be used as markers of phases of the cell cycle. The  
CC methods may be used to identify candidate drugs which affect the cell  
CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
CC represent SAGE tags used in the exemplification of the present invention.  
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
CC method, in the exemplification of the present invention

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CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE
CC method, in the exemplification of the present invention
XX
SQ Sequence 10 BP; 1 A; 2 C; 4 G; 3 T; 0 U; 0 Other;
    Query Match      12.3%; Score 9; DB 1; Length 10;
    Best Local Similarity 100.0%; Pred. No. 1.3e+03;
    Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 962 ACCAACGGT 970
Db 9 ACCAACGGT 1

RESULT 2547
AAF39041/c
ID AAF39041 standard; DNA; 10 BP.
XX
AC AAF39041;
XX
DT 23-MAR-2001 (first entry)
XX
DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:5780.
XX
KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX
OS Saccharomyces cerevisiae.
XX
PN WO200077214-A2.
XX
PD 21-DEC-2000.
XX
PF 14-JUN-2000; 2000WO-US016223.
XX
PR 16-JUN-1999; 99US-00335032.
XX
PA (UYJO ) UNIV JOHNS HOPKINS.
XX
PI Veiculescu V, Vogelstein B, Kinzler K;
XX WPI; 2001-061874/07.
XX
PT Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
XX
PS Example; Page 206; 419pp; English.
XX
CC The present invention describes an isolated DNA molecule comprising a
CC coding sequence of a yeast gene selected from a group of 745 NORF (not
CC previously assigned open reading frame; or nonannotated ORF) genes
CC comprising a SAGE (serial analysis of gene expression) tag. Also
CC described are: (1) a method (M1) of using NORF genes to affect the cell
CC cycle comprising administering a NORF gene whose expression varies by at
CC least 10% between any two phases of the cell cycle selected from log
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
CC antifungal drugs comprising: (a) contacting a test substance with a yeast
CC cell; and (b) monitoring expression of a NORF gene whose expression
CC varies as in M1, where a test substance which modifies the expression of
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
CC identifying human genes which are involved in cell cycle progression
CC comprising contacting human DNA with a probe which comprises at least 10
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
CC and (4) a method (M4) for identifying a candidate drug as a member of a
CC class of drugs having a characteristic effect on gene expression in a
CC yeast cell comprising contacting a yeast cell with a candidate drug and
CC monitoring expression in the yeast cell of at least 1 NORF gene whose
CC expression is affected by the class of drugs. The NORF genes may be used
CC to study, monitor and affect phases of the cell cycle, the differentially
CC expressed genes may be used as markers of phases of the cell cycle. The
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CC methods may be used to identify candidate drugs which affect the cell
CC cycle and for identification of antifungal drugs. AAF3268 to AAF4064
CC represent SAGE tags used in the exemplification of the present invention.
CC AAF3262 to AAF3267 represent linkers and PCR primers used in the SAGE
CC method, in the exemplification of the present invention
XX
SQ Sequence 10 BP; 5 A; 1 C; 3 G; 1 T; 0 U; 0 Other;
    Query Match      12.3%; Score 9; DB 1; Length 10;
    Best Local Similarity 100.0%; Pred. No. 1.3e+03;
    Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 937 CTCCTCATT 945
Db 9 CTCCTCATT 1

RESULT 2548
AAF36893/c
ID AAF36893 standard; DNA; 10 BP.
XX
AC AAF36893;
XX
DT 23-MAR-2001 (first entry)
XX
DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:3632.
XX
KW Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;
KW serial analysis of gene expression; antifungal; tag; identification;
KW linker; PCR primer; ds.
XX
OS Saccharomyces cerevisiae.
XX
PN WO200077214-A2.
XX
PD 21-DEC-2000.
XX
PF 14-JUN-2000; 2000WO-US016223.
XX
PR 16-JUN-1999; 99US-00335032.
XX
PA (UYJO ) UNIV JOHNS HOPKINS.
XX
PI Veiculescu V, Vogelstein B, Kinzler K;
XX WPI; 2001-061874/07.
XX
PT Yeast gene coding sequences comprising NORF genes with serial analysis of
PT gene expression (SAGE) tags, useful for studying, monitoring and
PT affecting phases of the cell cycle.
XX
PS Example; Page 129; 419pp; English.
XX
CC The present invention describes an isolated DNA molecule comprising a
CC coding sequence of a yeast gene selected from a group of 745 NORF (not
CC previously assigned open reading frame; or nonannotated ORF) genes
CC comprising a SAGE (serial analysis of gene expression) tag. Also
CC described are: (1) a method (M1) of using NORF genes to affect the cell
CC cycle comprising administering a NORF gene whose expression varies by at
CC least 10% between any two phases of the cell cycle selected from log
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate
CC antifungal drugs comprising: (a) contacting a test substance with a yeast
CC cell; and (b) monitoring expression of a NORF gene whose expression
CC varies as in M1, where a test substance which modifies the expression of
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for
CC identifying human genes which are involved in cell cycle progression
CC comprising contacting human DNA with a probe which comprises at least 10
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;
CC and (4) a method (M4) for identifying a candidate drug as a member of a
CC class of drugs having a characteristic effect on gene expression in a
CC yeast cell comprising contacting a yeast cell with a candidate drug and
CC monitoring expression in the yeast cell of at least 1 NORF gene whose
CC expression is affected by the class of drugs. The NORF genes may be used
CC to study, monitor and affect phases of the cell cycle, the differentially
CC expressed genes may be used as markers of phases of the cell cycle. The
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CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 903 GGTCAATTTT 911  
 Db 9 GGTCAATTTT 1

RESULT 2549  
 AAF42052/c  
 ID AAF42052 standard; DNA; 10 BP.

XX AC AAF42052;

XX DT 23-MAR-2001 (first entry)

XX YE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:8791.

XX YE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.

XX OS Saccharomyces cerevisiae.

XX PN WO200077214-A2.

XX PD 21-DEC-2000.

XX PF 14-JUN-2000; 2000WO-US016223.

XX PR 16-JUN-1999; 99US-00335032.

XX PA (UYJO ) UNIV JOHNS HOPKINS.

XX PI Velulescu V, Vogelstein B, Kinzler K;

XX DR WPI; 2001-061874/07.

XX YE Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.

XX Example; Page 314; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a  
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
 CC previously assigned open reading frame; or nonannotated ORF) genes  
 CC comprising a SAGE (serial analysis of gene expression) tag. Also  
 CC described are: (1) a method (M1) of using NORF genes to affect the cell  
 CC cycle comprising administering a NORF gene whose expression varies by at  
 CC least 10% between any two phases of the cell cycle selected from log  
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression  
 CC varies as in M1, where a test substance which modifies the expression of  
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
 CC identifying human genes which are involved in cell cycle progression  
 CC comprising contacting human DNA with a probe which comprises at least 10  
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
 CC and (4) a method (M4) for identifying a candidate drug as a member of a

CC class of drugs having a characteristic effect on gene expression in a  
 CC yeast cell comprising contacting a yeast cell with a candidate drug and  
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
 CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 4 A; 1 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 928 TTATCCCTC 936  
 Db 9 TTATCCCTC 1

RESULT 2550

AAF40411

ID AAF40411 standard; DNA; 10 BP.

XX AC AAF40411;

XX DT 23-MAR-2001 (first entry)

XX YE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:7150.

XX YE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.

XX OS Saccharomyces cerevisiae.

XX PN WO200077214-A2.

XX PD 21-DEC-2000.

XX PF 14-JUN-2000; 2000WO-US016223.

XX PR 16-JUN-1999; 99US-00335032.

XX PA (UYJO ) UNIV JOHNS HOPKINS.

XX PI Velulescu V, Vogelstein B, Kinzler K;

XX DR WPI; 2001-061874/07.

XX YE Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.

XX Example; Page 255; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a  
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
 CC previously assigned open reading frame; or nonannotated ORF) genes  
 CC comprising a SAGE (serial analysis of gene expression) tag. Also  
 CC described are: (1) a method (M1) of using NORF genes to affect the cell  
 CC cycle comprising administering a NORF gene whose expression varies by at  
 CC least 10% between any two phases of the cell cycle selected from log  
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression  
 CC varies as in M1, where a test substance which modifies the expression of  
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
 CC identifying human genes which are involved in cell cycle progression



CC comprising contacting human DNA with a probe which comprises at least 10  
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
 CC and (4) a method (M4) for identifying a candidate drug as a member of a  
 CC class of drugs having a characteristic effect on gene expression in a  
 CC yeast cell comprising contacting a yeast cell with a candidate drug and  
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
 CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 1 A; 1 C; 0 G; 8 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 907 ATTTCCTTT 915  
 Db 1 ATTTCCTTT 9  
 RESULT 2551  
 AAF40134/C  
 ID AAF40134 standard; DNA; 10 BP.  
 XX AAF40134;  
 AC AAF40134;  
 DT 23-MAR-2001 (first entry)  
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6873.  
 XX Yeast; Saccharomyces cerevisiae; Characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.  
 XX Saccharomyces cerevisiae.  
 OS  
 XX WO200077214-A2.  
 PN  
 XX 21-DEC-2000.  
 PD  
 XX 14-JUN-2000; 2000WO-US016223.  
 PP  
 XX 16-JUN-1999; 99US-00335032.  
 PR  
 XX (UYJO ) UNIV JOHNS HOPKINS.  
 PA  
 XX Velculescu V, Vogelstein B, Kinzler K;  
 PI  
 XX WPI; 2001-061874/07.  
 DR  
 XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.  
 XX  
 PS Example; Page 245; 419pp; English.  
 XX  
 CC The present invention describes an isolated DNA molecule comprising a  
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
 CC previously assigned open reading frame; or nonannotated ORF) genes  
 CC comprising a SAGE (serial analysis of gene expression) tag. Also  
 CC described are: (1) a method (M1) of using NORF genes to affect the cell  
 CC cycle comprising administering a NORF gene whose expression varies by at  
 CC least 10% between any two phases of the cell cycle selected from log  
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression

CC varies as in M1, where a test substance which modifies the expression of  
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
 CC identifying human genes which are involved in cell cycle progression  
 CC comprising contacting human DNA with a probe which comprises at least 10  
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
 CC and (4) a method (M4) for identifying a candidate drug as a member of a  
 CC class of drugs having a characteristic effect on gene expression in a  
 CC yeast cell comprising contacting a yeast cell with a candidate drug and  
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
 CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 3 A; 3 C; 3 G; 1 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 900 CCTGGTCAT 908  
 Db 9 CCTGGTCAT 1  
 RESULT 2552  
 AAF41681/C  
 ID AAF41681 standard; DNA; 10 BP.  
 XX AAF41681;  
 AC AAF41681;  
 DT 23-MAR-2001 (first entry)  
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:8420.  
 XX Yeast; Saccharomyces cerevisiae; Characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.  
 XX Saccharomyces cerevisiae.  
 OS  
 XX WO200077214-A2.  
 PN  
 XX 21-DEC-2000.  
 PD  
 XX 14-JUN-2000; 2000WO-US016223.  
 PP  
 XX 16-JUN-1999; 99US-00335032.  
 PR  
 XX (UYJO ) UNIV JOHNS HOPKINS.  
 PA  
 XX Velculescu V, Vogelstein B, Kinzler K;  
 PI  
 XX WPI; 2001-061874/07.  
 DR  
 XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.  
 XX  
 PS Example; Page 300; 419pp; English.  
 XX  
 CC The present invention describes an isolated DNA molecule comprising a  
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
 CC previously assigned open reading frame; or nonannotated ORF) genes  
 CC comprising a SAGE (serial analysis of gene expression) tag. Also  
 CC described are: (1) a method (M1) of using NORF genes to affect the cell  
 CC cycle comprising administering a NORF gene whose expression varies by at  
 CC least 10% between any two phases of the cell cycle selected from log  
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression

CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression  
 CC varies as in M1, where a test substance which modifies the expression of  
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
 CC identifying human genes which are involved in cell cycle progression  
 CC comprising contacting human DNA with a probe which comprises at least 10  
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
 CC and (4) a method (M4) for identifying a candidate drug as a member of a  
 CC class of drugs having a characteristic effect on gene expression in a  
 CC yeast cell comprising contacting a yeast cell with a candidate drug and  
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
 CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 5 A; 1 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 904 GTCATTTTC 912  
 Db 9 GTCATTTTC 1

RESULT 2553  
 AAF40571/c  
 ID AAF40571 standard; DNA; 10 BP.  
 XX AAF40571;  
 AC AAF40571;  
 DT 23-MAR-2001 (first entry)  
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:7310.  
 XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.  
 XX  
 OS Saccharomyces cerevisiae.  
 XX WO200077214-A2.  
 XX PN 21-DEC-2000.  
 XX PF 14-JUN-2000; 2000WO-US016223.  
 XX PR 16-JUN-1999; 99US-00335032.  
 XX PA (UYJO ) UNIV JOHNS HOPKINS.  
 XX PI Velulescu V, Vogelstein B, Kinzler K;  
 XX WPI; 2001-061874/07.

XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.  
 XX Example; Page 261; 419pp; English.  
 XX The present invention describes an isolated DNA molecule comprising a  
 CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
 CC previously assigned open reading frame; or nonannotated ORF) genes  
 CC comprising a SAGE (serial analysis of gene expression) tag. Also

CC described are: (1) a method (M1) of using NORF genes to affect the cell  
 CC cycle comprising administering a NORF gene whose expression varies by at  
 CC least 10% between any two phases of the cell cycle selected from log  
 CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
 CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
 CC cell; and (b) monitoring expression of a NORF gene whose expression  
 CC varies as in M1, where a test substance which modifies the expression of  
 CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
 CC identifying human genes which are involved in cell cycle progression  
 CC comprising contacting human DNA with a probe which comprises at least 10  
 CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
 CC and (4) a method (M4) for identifying a candidate drug as a member of a  
 CC class of drugs having a characteristic effect on gene expression in a  
 CC yeast cell comprising contacting a yeast cell with a candidate drug and  
 CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
 CC expression is affected by the class of drugs. The NORF genes may be used  
 CC to study, monitor and affect phases of the cell cycle, the differentially  
 CC expressed genes may be used as markers of phases of the cell cycle. The  
 CC methods may be used to identify candidate drugs which affect the cell  
 CC cycle and for identification of antifungal drugs. AAF33268 to AAF4064  
 CC represent SAGE tags used in the exemplification of the present invention.  
 CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
 CC method, in the exemplification of the present invention  
 XX  
 SQ Sequence 10 BP; 6 A; 3 C; 1 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 910 TTCTTTGGT 918  
 Db 10 TTCTTTGGT 2

RESULT 2554  
 AAF40119  
 ID AAF40119 standard; DNA; 10 BP.  
 XX AAF40119;  
 AC AAF40119;  
 DT 23-MAR-2001 (first entry)  
 DE Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:6858.  
 XX Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
 KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
 KW serial analysis of gene expression; antifungal; tag; identification;  
 KW linker; PCR primer; ds.  
 XX  
 OS Saccharomyces cerevisiae.  
 XX WO200077214-A2.  
 XX PN 21-DEC-2000.  
 XX PF 14-JUN-2000; 2000WO-US016223.  
 XX PR 16-JUN-1999; 99US-00335032.  
 XX PA (UYJO ) UNIV JOHNS HOPKINS.  
 XX PI Velulescu V, Vogelstein B, Kinzler K;  
 XX WPI; 2001-061874/07.

XX Yeast gene coding sequences comprising NORF genes with serial analysis of  
 PT gene expression (SAGE) tags, useful for studying, monitoring and  
 PT affecting phases of the cell cycle.  
 XX Example; Page 244; 419pp; English.  
 XX The present invention describes an isolated DNA molecule comprising a

coding sequence of a yeast gene selected from a group of 745 NORF (not previously assigned open reading frame; or nonannotated ORF) genes comprising a SAGE (serial analysis of gene expression) tag. Also described are: (1) a method (M1) of using NORF genes to affect the cell cycle comprising administering a NORF gene whose expression varies by at least 10% between any two phases of the cell cycle selected from log phase, S phase and G2/M; (2) a method (M2) for screening candidate antifungal drugs comprising: (a) contacting a test substance with a yeast cell; and (b) monitoring expression of a NORF gene whose expression varies as in M1, where a test substance which modifies the expression of the yeast gene is a candidate antifungal drug; (3) a method (M3) for identifying human genes which are involved in cell cycle progression comprising contacting human DNA with a probe which comprises at least 10 contiguous nucleotides of a NORF gene whose expression varies as in M1; and (4) a method (M4) for identifying a candidate drug as a member of a class of drugs having a characteristic effect on gene expression in a yeast cell comprising contacting a yeast cell with a candidate drug and monitoring expression in the yeast cell of at least 1 NORF gene whose expression is affected by the class of drugs. The NORF genes may be used to study, monitor and affect phases of the cell cycle, the differentially expressed genes may be used as markers of phases of the cell cycle. The methods may be used to identify candidate drugs which affect the cell cycle and for identification of antifungal drugs. AAF33268 to AAF44064 represent SAGE tags used in the exemplification of the present invention. AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE method, in the exemplification of the present invention.

Sequence 10 BP; 1 A; 3 C; 1 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 918 TCTTTGGCT 926  
|||||||  
Db 2 TCTTTGGCT 10

RESULT 2555

AAAF38371

ID AAF38371 standard; DNA; 10 BP.

AC AAF38371;

XX 23-MAR-2001 (first entry)

DT Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:5110.

DE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
KW serial analysis of gene expression; antifungal; tag; identification;  
KW linker; PCR primer; ds.

XX Saccharomyces cerevisiae.

OS WO200077214-A2.

PN 21-DEC-2000.

PD 14-JUN-2000; 2000WO-US016223.

PF 16-JUN-1999; 99US-00335032.

PR (UWJO ) UNIV JOHNS HOPKINS.

PA Velulescu V, Vogelstein B, Kinzler K;

PI WPI; 2001-061874/07.

DR Yeast gene coding sequences comprising NORF genes with serial analysis of  
PT gene expression (SAGE) tags useful for studying, monitoring and  
PT affecting phases of the cell cycle.

Example; Page 182; 419pp; English.

PS The present invention describes an isolated DNA molecule comprising a  
XX coding sequence of a yeast gene selected from a group of 745 NORF (not  
CC previously assigned open reading frame; or nonannotated ORF) genes  
CC comprising a SAGE (serial analysis of gene expression) tag. Also  
CC described are: (1) a method (M1) of using NORF genes to affect the cell  
CC cycle comprising administering a NORF gene whose expression varies by at  
CC least 10% between any two phases of the cell cycle selected from log  
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
CC cell; and (b) monitoring expression of a NORF gene whose expression  
CC varies as in M1, where a test substance which modifies the expression of  
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
CC identifying human genes which are involved in cell cycle progression  
CC comprising contacting human DNA with a probe which comprises at least 10  
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
CC and (4) a method (M4) for identifying a candidate drug as a member of a  
CC class of drugs having a characteristic effect on gene expression in a  
CC yeast cell comprising contacting a yeast cell with a candidate drug and  
CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
CC expression is affected by the class of drugs. The NORF genes may be used  
CC to study, monitor and affect phases of the cell cycle, the differentially  
CC expressed genes may be used as markers of phases of the cell cycle. The  
CC methods may be used to identify candidate drugs which affect the cell  
CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
CC represent SAGE tags used in the exemplification of the present invention.  
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
CC method, in the exemplification of the present invention

XX Sequence 10 BP; 0 A; 1 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 913 TTGTGGTCTT 921  
|||||||  
Db 1 TTGTGGTCTT 9

RESULT 2556

AAAF36038/c

ID AAF36038 standard; DNA; 10 BP.

XX AAF36038;

XX 23-MAR-2001 (first entry)

DT Yeast NORF gene SAGE tag oligonucleotide SEQ ID NO:2777.

DE Yeast; Saccharomyces cerevisiae; characterisation; cell cycle; NORF;  
KW nor previously assigned open reading frame; nonannotated ORF; SAGE;  
KW serial analysis of gene expression; antifungal; tag; identification;  
KW linker; PCR primer; ds.

XX Saccharomyces cerevisiae.

OS WO200077214-A2.

PN 21-DEC-2000.

PD 14-JUN-2000; 2000WO-US016223.

PF 16-JUN-1999; 99US-00335032.

PR (UWJO ) UNIV JOHNS HOPKINS.

PA Velulescu V, Vogelstein B, Kinzler K;

PI WPI; 2001-061874/07.

DR Yeast gene coding sequences comprising NORF genes with serial analysis of  
PT gene expression (SAGE) tags useful for studying, monitoring and  
PT affecting phases of the cell cycle.

PT gene expression (SAGE) tags, useful for studying, monitoring and  
PT affecting phases of the cell cycle.

PS Example; Page 99; 419pp; English.

XX The present invention describes an isolated DNA molecule comprising a  
CC coding sequence of a yeast gene selected from a group of 745 NORF (not  
CC previously assigned open reading frame; or nonannotated ORF) genes  
CC comprising a SAGE (serial analysis of gene expression) tag. Also  
CC described are: (1) a method (M1) of using NORF genes to affect the cell  
CC cycle comprising administering a NORF gene whose expression varies by at  
CC least 10% between any two phases of the cell cycle selected from log  
CC phase, S phase and G2/M; (2) a method (M2) for screening candidate  
CC antifungal drugs comprising: (a) contacting a test substance with a yeast  
CC cell; and (b) monitoring expression of a NORF gene whose expression  
CC varies as in M1, where a test substance which modifies the expression of  
CC the yeast gene is a candidate antifungal drug; (3) a method (M3) for  
CC identifying human genes which are involved in cell cycle progression  
CC comprising contacting human DNA with a probe which comprises at least 10  
CC contiguous nucleotides of a NORF gene whose expression varies as in M1;  
CC and (4) a method (M4) for identifying a candidate drug as a member of a  
CC class of drugs having a characteristic effect on gene expression in a  
CC yeast cell comprising contacting a yeast cell with a candidate drug and  
CC monitoring expression in the yeast cell of at least 1 NORF gene whose  
CC expression is affected by the class of drugs. The NORF genes may be used  
CC to study, monitor and affect phases of the cell cycle, the differentially  
CC expressed genes may be used as markers of phases of the cell cycle. The  
CC methods may be used to identify candidate drugs which affect the cell  
CC cycle and for identification of antifungal drugs. AAF33268 to AAF44064  
CC represent SAGE tags used in the exemplification of the present invention.  
CC AAF33262 to AAF33267 represent linkers and PCR primers used in the SAGE  
CC method, in the exemplification of the present invention

XX Sequence 10 BP; 6 A; 2 C; 1 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 913 TTGTGCTTT 921  
DB 10 TTGTGCTTT 2

RESULT 2557  
ID ABK68693  
AC ABK68693 standard; DNA; 10 BP.

AC ABK68693;

XX 02-JUL-2002 (first entry)

DE Human SCYA2 gene allele-specific oligonucleotide PCR primer #1.

KW Human; small inducible cytokine A2; SCYA2; primer; ss; haplotype pair;  
KW haplotyping; atherosclerosis; antiarteriosclerotic; gene therapy;  
KW single nucleotide polymorphism; genotyping; drug screening; PCR;  
KW chromosome 17q11.2-q21.1.

OS Homo sapiens.

PN WO200218413-A2.

XX 07-MAR-2002.

PF 28-AUG-2001; 2001WO-US026899.

PR 28-AUG-2000; 2000US-0228496P.

PA (GENA-) GENAISSANCE PHARM INC.

XX Anastasio AE, Finkel K, Koshy B, Kumar AM, Lee HH;

DR WPI; 2002-339655/37.

XX New genetic variants having polymorphisms in the small inducible cytokine  
PT A1 (SCYA2) gene, useful for studying the function of SCYA2, and for  
PT treating disorders affected by expression or function of the SCYA2  
PT isogene.

PS Claim 19; Page 13; 58pp; English.

XX The invention relates to single nucleotide polymorphisms in the gene  
CC encoding human small inducible cytokine A2 (SCYA2) polypeptide. A method  
CC for haplotyping the SCYA2 gene in an individual comprises identifying the  
CC nucleotide at one or more polymorphic sites and determining whether one  
CC of the copies of the gene is defined by one of the SCYA2 haplotypes given  
CC in the specification or whether both copies are defined by a haplotype  
CC pair. This method is useful in genotyping, whereby all possible haplotype  
CC pairs can be assigned to specific genotypes. An association between a  
CC trait and a haplotype or haplotype pair of the SCYA2 gene can be  
CC identified by comparing the frequency of the haplotype or haplotype pair  
CC in a population exhibiting the trait with the frequency of the haplotype  
CC or haplotype pair in a reference population, where a higher haplotype  
CC frequency in the trait population indicates the trait is associated with  
CC the haplotype or haplotype pair. SCYA2 and its corresponding DNA are used  
CC for studying the expression and function of SCYA2, and in screening for  
CC candidate drugs to treat diseases related to SCYA2 activity, such as  
CC atherosclerosis. Sequences ABK6893-ABK68704 represent allele-specific  
CC oligonucleotide PCR primers used for detecting SCYA2 gene polymorphisms

XX Sequence 10 BP; 0 A; 7 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 931 TCCTCTCTC 939  
DB 1 TCCTCTCTC 9

RESULT 2558

ID ABL99034/C

XX ABL99034 standard; cDNA; 10 BP.

AC ABL99034;

XX 25-JUN-2002 (first entry)

DE Mouse neuronal regeneration related SAGE EST 29.

KW Mouse; neuronal; regeneration; nerve cell; synaptic efficiency; memory;  
KW learning disorder; serial analysis of gene expression; SAGE;  
KW gene expression; hippocampus; expressed sequence tag; EST; ss.

OS Mus sp.

PN DE10048893-A1.

XX 11-APR-2002.

XX 02-OCT-2000; 2000DE-01048893.

XX 02-OCT-2000; 2000DE-01048893.

XX (LION-) LION BIOSCIENCE AG.

XX WPI; 2002-341428/38.

XX New nucleic acids involved in neuronal regeneration, useful in screening  
PT for modulators of regeneration or synaptic efficiency, and potential  
PT therapeutic agents.

XX Example 6; Page 9; 38pp; German.

CC The invention relates to nucleic acids (ABL98957-ABL99004) involved in  
CC regenerative neuronal processes and encoded proteins (ABE79403-ABE79409)  
CC used to screen for compounds and potential therapeutic agents that  
CC modulate nerve cell regeneration and/or synaptic efficiency. They may  
CC also be used for treatment or diagnosis of defective or pathological  
CC memory and learning conditions. The present sequence is that of an EST  
CC isolated from serial analysis of gene expression (SAGE) experiments  
CC comparing gene expression in the hippocampus of GFAP/L1 transgenic mice  
CC versus a wildtype control. The resultant EST were used to isolate the  
CC nucleic acids of the invention  
XX Sequence 10 BP; 5 A; 3 C; 1 G; 1 T; 0 U; 0 Other;  
SQ  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 940 TTCATTGGT 948  
DB 9 TTCATTGGT 1  
RESULT 2559  
ABK16990/c  
ID ABK16990 standard; DNA; 10 BP.  
XX AC ABK16990;  
XX DT 26-MAR-2002 (first entry)  
XX DE Pyridoxal (Pyridoxine, vitamin B6) Kinase (PDXX) primer #13.  
XX KW Pyridoxal kinase; pyridoxine; vitamin B6;  
XX KW PDXX autoimmune polyglandular disease type 1; transgenic animal;  
XX KW gene therapy; primer extension; primer; ss.  
XX OS Homo sapiens.  
XX WO200190125-A2.  
XX 29-NOV-2001.  
XX 24-MAY-2001; 2001WO-US016909.  
XX 24-MAY-2000; 2000US-0206664P.  
XX (GENA-) GENAISSANCE PHARM INC.  
XX Chew A, Duda A, Koshy B;  
XX WPI; 2002-106169/14.  
XX Isolated human pyridoxal (pyridoxine, vitamin B6) kinase polyNTs, useful  
XX for therapeutic purposes, for studying the expression and function of the  
XX polyNT, and for expressing pyridoxal protein.  
XX Claim 19; Page 14; 135pp; English.  
XX The invention describes an isolated human pyridoxal (pyridoxine, vitamin  
XX B6) kinase, (PDXX) polynucleotide. The polynucleotide is useful in  
XX studying the expression and function of PDXX, and in expressing PDXX  
XX protein for use in screening for candidate drugs to treat PDXX related  
XX diseases and for therapeutic purposes. A transgenic animal is useful for  
XX studying expression of the PDXX isogenes in vivo, for in vivo screening  
XX and testing of drugs targeted against PDXX protein, and for testing the  
XX efficacy of therapeutic agents and compounds for autoimmune polyglandular  
XX disease type 1. The polypeptide is useful for studying the effect of the  
XX variation on the biological activity of PDXX and the binding affinity of  
XX candidate drugs targeting PDXX for the treatment of autoimmune  
XX polyglandular disease type 1. Genotyping and haplotyping is useful for  
XX improving the efficacy and reliability of several steps in the discovery  
XX and development of drugs for treating diseases associated with PDXX  
XX activity, e.g., autoimmune polyglandular disease type 1, to validate PDXX

CC as a candidate agent for treating a specific condition or disease  
CC predicted to be associated with PDXX activity, and in the design of  
CC clinical trials of candidate drugs. This sequence is one of 38 (see  
CC ABK16978-ABK17015) primers used for detecting PDXX gene polymorphisms by  
CC primer extension terminations, described in the method of the invention  
XX Sequence 10 BP; 8 A; 1 C; 1 G; 0 T; 0 U; 0 Other;  
SQ  
Query Match 12.3%; Score 9; DB 1; Length 10;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 908 TTTTCTTTG 916  
DB 10 TTTTCTTTG 2  
RESULT 2560  
ABV84222/c  
ID ABV84222 standard; cDNA; 10 BP.  
XX AC ABV84222;  
XX DT 12-DEC-2002 (first entry)  
XX DE Human heat shock protein 40 (HSP40-1) SAGE tag #32.  
XX KW SAGE tag; serial analysis of gene expression; human; chronic hepatitis C;  
XX KW CH; liver tissue; hepatocellular carcinoma; cancer; tumour; HCC;  
XX KW expression pattern; differential expression; ss.  
XX OS Homo sapiens.  
XX JP2002209591-A.  
XX 30-JUL-2002.  
XX 19-JAN-2001; 2001JP-00012328.  
XX 19-JAN-2001; 2001JP-00012328.  
XX (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN.  
XX WPI; 2002-631294/68.  
XX Human chronic hepatitis C tissue expression exasperating gene group  
XX comprises 100 high-ranking genes.  
XX Claim 1; Page 10; 139pp; Japanese.  
XX The invention relates to SAGE (serial analysis of gene expression) tags  
XX representing groups of genes which are differentially expressed in human  
XX chronic hepatitis C (CH) liver tissue or hepatitis C-induced  
XX hepatocellular carcinoma (HCC) compared with normal human liver tissue.  
XX The SAGE tags of this invention consist of a sequence of 10 nucleotides  
XX located downstream of the 5'-CATG-3' sequence motif lying nearest to the  
XX polyA region of cDNAs derived from a variety of genes. These tags serve  
XX to uniquely identify each transcript and can thus be used to analyse the  
XX pattern of gene expression in particular cell types. The invention also  
XX relates to proteins encoded by the genes expressed in chronic hepatitis C  
XX liver tissue or HCC, antibodies against these proteins, and inhibitors of  
XX the expression of groups of genes that are overexpressed in chronic  
XX hepatitis C liver tissue or HCC. Groups of genes differentially expressed  
XX in chronic hepatitis C tissue or HCC may be used for the diagnosis and  
XX treatment of these diseases. Such genes, inhibitors of their expression  
XX or activity, and antibodies against the gene products may be used in the  
XX development of drugs to treat chronic hepatitis C and/or HCC. Sequences  
XX ABV84191-ABV84290 are SAGE tags representing the 100 most highly  
XX expressed genes out of those genes which are overexpressed in chronic  
XX hepatitis C liver tissue compared with normal liver tissue  
XX Sequence 10 BP; 5 A; 2 C; 2 G; 1 T; 0 U; 0 Other;  
SQ

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTGGTCT 920  
 Db 9 CTTGGTCT 1  
 |||||

## RESULT 2561

ABK23610/c  
 ID ABK23610 standard; DNA; 10 BP.

XX AC ABK23610;

DT 09-APR-2002 (first entry)

DE Transcript tag DNA sequence #199 induced or suppressed by N-myc.

XX Myc-dependent downstream gene; neoplastic; cancer; growth; invasion;  
 KW spread; myc target; myc tag; SAGE; serial analysis of gene expression;  
 KW myc oncogene; N-myc; human neuroblastoma; cytostatic; ds.

XX OS Homo sapiens;

XX PN WO200185941-A2.

XX PD 15-NOV-2001.

XX PF 11-MAY-2001; 2001WO-NL000361.

XX PR 11-MAY-2000; 2000EP-00201698.

XX PR 29-JUN-2000; 2000EP-00202284.

XX PA (UYAM-) UNIV AMSTERDAM ACAD ZIEKENHUIS BIJ VAN.

XX PI Versteeg R, Caron HN;

XX XX WPI; 2002-066603/09.

XX A new nucleic acid library of myc-dependent downstream genes capable of  
 PT supporting a neoplastic characteristic of cancer is useful to find new  
 PT therapies and diagnoses for cancer.

XX PS Disclosure; Page 54; 69pp; English.

XX The present invention relates to a nucleic acid library comprising myc-  
 CC dependent downstream genes or their functional fragments essentially  
 CC capable of supporting a neoplastic character of cancer such as growth,  
 CC invasion or spread. These myc target or tag sequences are identified by  
 CC SAGE (serial analysis of gene expression). The library is useful to find  
 CC new diagnoses and treatments for cancer. The invention is also useful to  
 CC enhance production of recombinant proteins in a production system with  
 CC high expression of endogenous or transfected myc oncogenes. ABK23412-  
 CC ABK23828 represent transcript tag DNA sequences that are activated or  
 CC repressed by N-myc in human neuroblastoma

XX Sequence 10 BP; 6 A; 0 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTTCTT 914  
 Db 10 CATTTTCTT 2  
 |||||

## RESULT 2562

ABK54472  
 ID ABK54472 standard; DNA; 10 BP.

XX AC ABK54472;

XX DT

05-JUN-2002 (first entry)

DE Primer-extension oligonucleotide #6 to detect human BMPR2 polymorphisms.

XX Human; single nucleotide polymorphism; SNP; BMPR2; chromosome 2q33-q34;  
 KW bone morphogenetic protein receptor type II; serine/threonine kinase;  
 KW haplotyping; genotyping; gene; primary pulmonary hypertension; PPH;  
 KW bone disorder; primer; ss.

XX OS Homo sapiens.

XX PN WO200216398-A2.

XX PD 28-FEB-2002.

XX PF 27-AUG-2001; 2001WO-US026641.

XX PR 25-AUG-2000; 2000US-0228272P.

XX (GENA-) GENAISANCE PHARM INC.  
 PA (LANZ/) LANZ E M.

XX PI Chew A, Kliehm SE, Messer C, Sanchis A;

XX WPI; 2002-280906/32.

XX Novel isolated polynucleotide which is a polymorphic variant of bone  
 PT morphogenetic protein receptor, type II (serine/threonine kinase) (BMPR2)  
 PT gene useful for expressing BMPR2 protein isoform used in drug screening.

XX Claim 18; Page 15; 98pp; English.

XX The present invention relates to novel single nucleotide polymorphisms  
 CC (SNPs) in the human bone morphogenetic protein receptor type II  
 CC (serine/threonine kinase) (BMPR2) gene located on chromosome 2q33-q34,  
 CC and methods for haplotyping and/or genotyping the BMPR2 gene. The methods  
 CC of the invention make use of allele-specific oligonucleotides (ASOs) as  
 CC probes and primers, and/or primer-extension oligonucleotides for  
 CC detecting the BMPR2 gene polymorphisms. The polynucleotides and screened  
 CC compounds are useful for the treatment of diseases associated with BMPR2  
 CC activity, such as primary pulmonary hypertension (PPH) and bone  
 CC disorders. ABK54467-ABK54482 represent primer-extension oligonucleotides  
 CC for detecting human BMPR2 gene polymorphisms

XX Sequence 10 BP; 3 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 946 GGTTTAATG 954  
 Db 1 GGTTTAATG 9  
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## RESULT 2563

AAK98587

ID AAK98587 standard; DNA; 10 BP.

XX AC AAK98587;

XX DT 16-APR-2002 (first entry)

XX Human enolase 3 gene allele specific primer SEQ ID NO: 58.

XX Human; enolase 3(beta, muscle); ENO3; single nucleotide polymorphism;  
 KW SNP; haplotype analysis; isogene; primer; ss.

XX OS Homo sapiens.

XX PN WO200202579-A2.



CC capable of detecting a SNP located within an optineurin promoter, and  
 CC detecting the polymorphism). The invention is used to diagnose and  
 CC prognose glaucoma and also to treat glaucoma related disorders. The  
 CC present sequence is an optineurin promoter motif, repeat element or  
 CC putative regulatory region.

SQ Sequence 10 BP; 5 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
 |||||  
 Db 9 TTTAATGTA 1

RESULT 2566  
 AAQ64023/c  
 ID AAQ64023 standard; DNA; 11 BP.

XX AC AAQ64023;

XX DT 27-AUG-2003 (revised)  
 XX DT 22-JUL-1994 (first entry)

XX DE 16S rRNA gene fragment.

XX KW 16S rRNA; probe; detection; porcine atrophic rhinitis; hybridisation;  
 KW Bordetella bronchiseptica; pig raising; ss.

XX OS Bordetella bronchiseptica.

XX PN JP05336999-A.

XX PD 21-DEC-1993.

XX PF 10-JUN-1992; 92JP-00150688.

XX PR 10-JUN-1992; 92JP-00150688.

XX PA (NISE-) NIHON SEIFUN KK.

XX PA (ZENK-) ZENKOKU NOGIO KD RENGOKAI.

XX DR WPI; 1994-037379/05.

XX PT B.bronchiseptica 16S rRNA fragments - used as probes in the detection of  
 PT porcine atrophic rhinitis.

XX PS Claim 1; Page 10; 12pp; Japanese.

XX CC DNA sequences (AAQ64009-Q64031) are fragments of the 16S rRNA gene from  
 CC B. bronchiseptica (AAQ55187). The fragments are used as probes to detect  
 CC porcine atrophic rhinitis caused by the Bordetella bronchiseptica  
 CC bacterium. Also claimed are 3 DNA fragments complementary to the 436-466  
 CC region of the 16S rRNA (AAQ64032-034). A specific DNA sequence from the S1  
 CC rRNA was selected and 2 probes were designed (AAQ64035 and AAQ64039) for  
 CC the detection of B.bronchiseptica. Primers (AAQ64036-37) were used to  
 CC clone the 16S gene. Sequences (AAQ64034) is the preferred probe used in  
 CC the detection process. (Updated on 27-AUG-2003 to correct OS field.)

SQ Sequence 11 BP; 2 A; 2 C; 4 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 958 CGCTACCAA 966  
 |||||  
 Db 9 CGCTACCAA 1

RESULT 2567

AAQ57283/c  
 ID AAQ57283 standard; mRNA; 11 BP.

XX AC AAQ57283;

XX DT 25-MAR-2003 (revised)

XX DT 26-JUL-1994 (first entry)

XX DE Enzymatic RNA molecule c-myb mRNA target sequence.

XX KW Specific; cleavage; target RNA; protein; prophylaxis; expression;  
 KW inhibitor; inhibition; ribozyme; treatment; prevention; psoriasis;  
 KW asthma; inflammatory diseases; restenosis; cardiovascular condition;  
 KW hypertension; arthritis; ss.

XX OS Synthetic.

XX PN MO9402595-A1.

XX PD 03-FEB-1994.

XX PF 02-JUL-1993; 93WO-US006316.

XX PR 17-JUL-1992; 92US-00916763.

XX PR 07-DEC-1992; 92US-00987132.

XX PR 07-DEC-1992; 92US-00989848.

XX PR 07-DEC-1992; 92US-00989849.

XX PR 19-JAN-1993; 93US-00008895.

XX PA (RIBO-) RIBOZYME PHARM INC.

XX PI Sullivan SM, Draper KG;

XX DR WPI; 1994-048853/06.

XX PT Enzymatic RNA molecules which cleave mRNA - used to treat or prevent  
 PT inflammatory, arthritic, stenotic or cardiovascular diseases or  
 PT conditions.

XX PS Claim 3; Page 20; 65pp; English.

XX CC This is a c-myb mRNA target sequence (nucleotide no. 1660) of an  
 CC enzymatic RNA molecule (ribozyme) which cleaves mRNA associated with the  
 CC development or maintenance of a restenotic condition. The concn. of the  
 CC ribozyme necessary to effect a therapeutic treatment is lower than that  
 CC of an antisense oligonucleotide and the specificity of action is higher.  
 CC (Updated on 25-MAR-2003 to correct PN field.)

XX SQ Sequence 11 BP; 7 A; 0 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTCCTT 914  
 |||||

Db 9 CATTTCCTT 1

RESULT 2568  
 AAZ18912

ID AAZ18912 standard; DNA; 11 BP.

XX AC AAZ18912;

XX DT 22-OCT-1999 (first entry)

XX DE Murine MRL SAGE tag 4062905.

XX KW Wound healing; non-MEL healer mouse; quantitative trait locus; QTL;  
 KW healing response; microsatellite marker; treatment; central nerve;  
 KW peripheral nerve; nerve injury; SAGE tag; murine; ss.





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PR 29-OCT-1992; 92US-00968436.
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 19-20; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCTCTCTCT 940
DB 3 CCCTCTCTCT 11
RESULT 2571
AAX14773
ID AAX14773 standard; DNA; 11 BP.
XX
XX AAX14773;
XX
XX 24-MAR-1999 (first entry)
XX Triple helix third strand of Hepatitis B virus nucleotides 1433-1443.
XX
XX Triplex formation; DNA detection; triple helix; identification; bacteria;
XX oncogene; virus; ss.
XX Hepatitis B virus.
XX US5861244-A.
XX 19-JAN-1999.
XX
XX 22-DEC-1993; 93US-00173489.
XX
XX 29-OCT-1992; 92US-00968436.
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 17-18; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC

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PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 19-20; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC where it can be part of the anchor DNA or reporter DNA sequence. The
CC assay comprises adding a sample containing double-stranded DNA test
CC sequences to an aqueous medium containing at least one complex of anchor
CC DNA, attached to a solid support, and reporter DNA, where either a part
CC of the anchor DNA or reporter DNA is designed to form a triple-strand
CC structure with part of the test sequence. Triplex formation results in
CC displacement of the reporter DNA which is detected as an indication of
CC the presence of the DNA test sequence. The method is used to detect DNA
CC sequences, particularly for identification of bacteria (by detecting
CC genes for ribosomal RNA) in clinical samples, but also detection of
CC oncogenes and Hepatitis B virus
XX
SQ Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 932 CCCTCTCTCT 940
DB 3 CCCTCTCTCT 11
RESULT 2572
AAX14747
ID AAX14747 standard; DNA; 11 BP.
XX
XX AAX14747;
XX
XX 24-MAR-1999 (first entry)
XX Triple helix third strand of Hepatitis B virus nucleotides 1614-1624.
XX
XX Triplex formation; DNA detection; triple helix; identification; bacteria;
XX oncogene; virus; ss.
XX Synthetic.
XX Homo sapiens.
XX US5861244-A.
XX 19-JAN-1999.
XX
XX 22-DEC-1993; 93US-00173489.
XX
XX 29-OCT-1992; 92US-00968436.
XX (PROF-) PROFILE DIAGNOSTIC SCI INC.
XX Hepburn AG, Wang C;
XX WPI; 1999-130384/11.
XX Assay of genetic sequences based on triplex formation from double
PT stranded analyte - and hybrid of anchor and reporter sequences, with
PT reporter released if triplex formation occurs, used e.g. to identify
PT bacteria.
XX Disclosure; Col 17-18; 168pp; English.
XX The present sequence represents a polynucleotide that is able to form a
CC triple helix with a double stranded sequence. Cytosine bases in the
CC present can be replaced with 5-methylcytosine for increased triplex
CC stability. The present sequence is used in the assay of the invention,
CC

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where it can be part of the anchor DNA or reporter DNA sequence. The assay comprises adding a sample containing double-stranded DNA test sequences to an aqueous medium containing at least one complex of anchor DNA, attached to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA is designed to form a triple-strand structure with part of the test sequence. Triplex formation results in displacement of the reporter DNA which is detected as an indication of the presence of the DNA test sequence. The method is used to detect DNA sequences, particularly for identification of bacteria (by detecting genes for ribosomal RNA) in clinical samples, but also detection of oncogenes and Hepatitis B virus

Sequence 11 BP; 0 A; 8 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 932 CCTCTCTCT 940  
DB 3 CCTCTCTCT 11

RESULT 2573  
ABQ86582/c  
ID ABQ86582 standard; cDNA; 11 BP.  
AC ABQ86582;  
DT 10-SEP-2002 (first entry)  
DE Human skin stress/ageing related EST SEQ ID NO 337.  
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.  
OS Homo sapiens.  
XX WO200253773-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015178.  
XX 03-JAN-2001; 2001DE-01000121.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-528865/56.  
XX Identifying genes involved in skin stress and aging, useful e.g. in screening for cosmetic or therapeutic agents, based on differential gene expression.  
XX Claim 8; Page 50; 325pp; German.  
XX The invention relates to identifying (M1) genes in vitro that, in humans or animals, are important for skin ageing and/or skin stress by serial analysis of gene expression between mixtures of transcribed and optionally translated, genetically encoded factors (A) obtained from young and aged skin, to identify that genes that show strong differential expression. (A) comprises protein or mRNAs or their fragments. (M1) is useful for: identifying markers of skin ageing and/or stress; determining skin ageing and/or stress; and identifying or determining the effects of pharmaceutical or cosmetic agents for control of skin ageing. The present sequence is one of a group of human skin ageing/stress related expressed sequence tags (ABQ86246-ABQ87680) of the invention  
XX Sequence 11 BP; 8 A; 1 C; 2 G; 0 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 908 TTTCCTTTG 916  
DB 10 TTTCCTTTG 2

RESULT 2574  
ABQ87207/c  
ID ABQ87207 standard; cDNA; 11 BP.  
XX ABQ87207;  
AC ABQ87207;  
XX 10-SEP-2002 (first entry)  
DE Human skin stress/ageing related EST SEQ ID NO 962.  
KW Human; skin ageing; skin stress; EST; expressed sequence tag; ss.  
OS Homo sapiens.  
XX WO200253773-A2.  
XX 11-JUL-2002.  
XX 20-DEC-2001; 2001WO-EP015178.  
XX 03-JAN-2001; 2001DE-01000121.  
XX (HENK ) HENKEL KGAA.  
XX Petersohn D, Conradt M, Hofmann K;  
XX WPI; 2002-528865/56.  
XX Identifying genes involved in skin stress and aging, useful e.g. in screening for cosmetic or therapeutic agents, based on differential gene expression.  
XX Claim 8; Page 77; 325pp; German.  
XX The invention relates to identifying (M1) genes in vitro that, in humans or animals, are important for skin ageing and/or skin stress by serial analysis of gene expression between mixtures of transcribed and optionally translated, genetically encoded factors (A) obtained from young and aged skin, to identify that genes that show strong differential expression. (A) comprises protein or mRNAs or their fragments. (M1) is useful for: identifying markers of skin ageing and/or stress; determining skin ageing and/or stress; and identifying or determining the effects of pharmaceutical or cosmetic agents for control of skin ageing. The present sequence is one of a group of human skin ageing/stress related expressed sequence tags (ABQ86246-ABQ87680) of the invention  
XX Sequence 11 BP; 5 A; 2 C; 3 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGGTCT 920  
DB 9 CTTTGGTCT 1

RESULT 2575  
ABV65978/c  
ID ABV65978 standard; cDNA; 11 BP.  
XX ABV65978;  
AC ABV65978;  
XX 21-OCT-2002 (first entry)  
DE Human skin EST 3764.

XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX Homo sapiens.  
 XX WO200253774-A2.  
 XX 11-JUL-2002.  
 XX 20-DEC-2001; 2001WO-EP015179.  
 XX 03-JAN-2001; 2001DE-01000127.  
 XX (HENK ) HENKEL KGAA.  
 XX Petersohn D, Conradt M, Hofmann K;  
 XX WPI; 2002-590638/63.  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX Disclosure; Page 129; 1345pp; German.  
 XX The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX Sequence 11 BP; 5 A; 2 C; 3 G; 1 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 11;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 912 CTTTGGTCT 920  
 DB |||||  
 DB 9 CTTTGGTCT 1  
 RESULT 2576  
 ABV71682/c  
 ID ABV71682 standard; cDNA; 11 BP.  
 AC ABV71682;  
 XX 21-OCT-2002 (first entry)  
 XX Human skin EST 9468.  
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX Homo sapiens.  
 XX WO200253774-A2.  
 XX 11-JUL-2002.  
 XX 20-DEC-2001; 2001WO-EP015179.  
 XX Disclosure; Page 72; 1345pp; German.

PR 03-JAN-2001; 2001DE-01000127.  
 XX (HENK ) HENKEL KGAA.  
 XX Petersohn D, Conradt M, Hofmann K;  
 XX WPI; 2002-590638/63.  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX Claim 24; Page 305; 1345pp; German.  
 XX The invention relates to in vitro identification (M1) of genes expressed  
 CC in the skin of humans or animals by subjecting a mixture of genetically  
 CC encoded factors from skin, to serial analysis of gene expression (SAGE)  
 CC so as to identify skin-expressed genes and quantify their expression.  
 CC (M1) is useful for identifying genes involved in skin homeostasis; to  
 CC determine skin homeostasis and to test agent (A) that maintains or  
 CC promotes skin homeostasis or that can be used for treating skin  
 CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;  
 CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;  
 CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the  
 CC skin. The present sequence is that of a human expressed sequence tag  
 CC (EST) of the invention  
 XX Sequence 11 BP; 2 A; 3 C; 4 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 11;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 899 CCCTGTGTC 907  
 DB |||||  
 DB 9 CCCTGTGTC 1  
 RESULT 2577  
 ABV63951  
 ID ABV63951 standard; cDNA; 11 BP.  
 AC ABV63951;  
 XX 21-OCT-2002 (first entry)  
 XX Human skin EST 1737.  
 XX Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;  
 KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
 KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
 XX Homo sapiens.  
 XX WO200253774-A2.  
 XX 11-JUL-2002.  
 XX 20-DEC-2001; 2001WO-EP015179.  
 XX 03-JAN-2001; 2001DE-01000127.  
 XX (HENK ) HENKEL KGAA.  
 XX Petersohn D, Conradt M, Hofmann K;  
 XX WPI; 2002-590638/63.  
 XX In vitro identification of skin-expressed genes, useful for determining  
 PT homeostasis and identifying cosmetic or pharmaceutical agents against  
 PT e.g. skin cancer.  
 XX Disclosure; Page 72; 1345pp; German.

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XX CC The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
SQ Sequence 11 BP; 0 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGCTCT 920
Db 3 CTTTGCTCT 11
|||||

RESULT 2578
ABV65564/c
ID ABV65564 standard; cDNA; 11 BP.
XX AC ABV65564;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 3350.
XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX PN WO200253774-A2.
XX PD 11-JUL-2002.
XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX DR WPI; 2002-590638/63.
XX PT In vitro identification of skin-expressed genes, useful for determining
XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
XX PT e.g. skin cancer.
XX PS Disclosure; Page 118; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
SQ Sequence 11 BP; 0 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 912 CTTTGCTCT 920
Db 3 CTTTGCTCT 11
|||||

RESULT 2578
ABV65564/c
ID ABV65564 standard; cDNA; 11 BP.
XX AC ABV65564;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 3350.
XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX PN WO200253774-A2.
XX PD 11-JUL-2002.
XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX DR WPI; 2002-590638/63.
XX PT In vitro identification of skin-expressed genes, useful for determining
XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
XX PT e.g. skin cancer.
XX PS Disclosure; Page 118; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
SQ Sequence 11 BP; 0 A; 2 C; 4 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAAT 953
Db 10 TGGTTTAAAT 2
|||||

RESULT 2579
ABV70743/c
ID ABV70743 standard; cDNA; 11 BP.
XX AC ABV70743;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 8529.
XX KW Human; skin; dermatological; vulnary; antipsoriatic; antiseborrhaeic;
XX KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX PN WO200253774-A2.
XX PD 11-JUL-2002.
XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX DR WPI; 2002-590638/63.
XX PT In vitro identification of skin-expressed genes, useful for determining
XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
XX PT e.g. skin cancer.
XX PS Claim 24; Page 273; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
SQ Sequence 11 BP; 5 A; 2 C; 1 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 11;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
Db 11 GTTTAATGT 3
|||||

RESULT 2580
```



XX WPI; 2002-590638/63.

XX In vitro identification of skin-expressed genes, useful for determining

XX homeostasis and identifying cosmetic or pharmaceutical agents against

PT e.g. skin cancer.

XX Disclosure; Page 167; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed

CC in the skin of humans or animals by subjecting a mixture of genetically

CC encoded factors from skin, to serial analysis of gene expression (SAGE)

CC so as to identify skin-expressed genes and quantify their expression.

CC (M1) is useful for identifying genes involved in skin homeostasis; to

CC determine skin homeostasis and to test agent (A) that maintains or

CC promotes skin homeostasis or that can be used for treating skin

CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;

CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;

CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the

CC skin. The present sequence is that of a human expressed sequence tag

CC (EST) of the invention

XX Sequence 11 BP; 8 A; 1 C; 2 G; 0 T; 0 U; 0 Other;

SQ Query Match 12.3%; Score 9; DB 1; Length 11;  
Best Local Similarity 100.0%; Pred.No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 908 TTTTCTTTG 916  
|||||||  
DB 10 TTTTCTTTG 2

RESULT 2583

ABV71372 ID ABV71372 standard; cDNA; 11 BP.  
XX XX  
XX ABV71372;  
DT 21-OCT-2002 (first entry)  
DE Human skin EST 9158.  
XX XX  
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhoeic;  
KW immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;  
KW psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.  
OS Homo sapiens.  
OS WO200253774-A2.  
FN 11-JUL-2002.  
XX XX  
XX 20-DEC-2001; 2001WO-EF015179.  
PF XX  
XX 03-JAN-2001; 2001DE-01000127.  
PR XX  
XX (HENK ) HENKEL KGAA.  
XX XX  
XX Petersohn D, Conradt M, Hofmann K;  
PI WPI; 2002-590638/63.  
XX XX  
XX In vitro identification of skin-expressed genes, useful for determining

PT homeostasis and identifying cosmetic or pharmaceutical agents against

PT e.g. skin cancer.

XX Claim 24; Page 294; 1345pp; German.

XX The invention relates to in vitro identification (M1) of genes expressed

CC in the skin of humans or animals by subjecting a mixture of genetically

CC encoded factors from skin, to serial analysis of gene expression (SAGE)

CC so as to identify skin-expressed genes and quantify their expression.





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XX PF 20-DEC-2001; 2001WO-EP015179.
XX PR 03-JAN-2001; 2001DE-01000127.
XX PA (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX DR WPI; 2002-590638/63.
XX PT In vitro identification of skin-expressed genes, useful for determining
XX PT homeostasis and identifying cosmetic or pharmaceutical agents against
XX PT e.g. skin cancer.
XX PS Disclosure; Page 71; 1345pp; German.
XX CC The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
XX SQ Sequence 11 BP; 8 A; 1 C; 2 G; 0 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 11;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 908 TTTTCTTTG 916
Db 10 TTTTCTTTG 2
XX
RESULT 2588
ABV68523/c
ID ABV68523 standard; cDNA; 11 BP.
XX AC ABV68523;
XX DT 21-OCT-2002 (first entry)
XX DE Human skin EST 6309.
XX
XX Human; skin; dermatological; vulnery; antipsoriatic; antiseborrhaeic;
XX immunosuppressive; antiinflammatory; cytostatic; SAGE; neurodermatitis;
XX psoriasis; dermatitis; skin cancer; EST; expressed sequence tag; ss.
XX OS Homo sapiens.
XX
XX WO200253774-A2.
XX 11-JUL-2002.
XX
XX 20-DEC-2001; 2001WO-EP015179.
XX 03-JAN-2001; 2001DE-01000127.
XX (HENK ) HENKEL KGAA.
XX PI Petersohn D, Conradt M, Hofmann K;
XX DR WPI; 2002-590638/63.
XX PT In vitro identification of skin-expressed genes, useful for determining
XX PT homeostasis and identifying cosmetic or pharmaceutical agents against

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PT e.g. skin cancer.
XX Disclosure; Page 200; 1345pp; German.
XX
XX The invention relates to in vitro identification (M1) of genes expressed
XX CC in the skin of humans or animals by subjecting a mixture of genetically
XX CC encoded factors from skin, to serial analysis of gene expression (SAGE)
XX CC so as to identify skin-expressed genes and quantify their expression.
XX CC (M1) is useful for identifying genes involved in skin homeostasis; to
XX CC determine skin homeostasis and to test agent (A) that maintains or
XX CC promotes skin homeostasis or that can be used for treating skin
XX CC disorders, specifically neurodermatitis; sunburn; psoriasis; scleroderma;
XX CC ichthyosis; atopic dermatitis; acne; seborrhea; lupus erythematosus;
XX CC rosacea; melanoma; basal cell carcinoma; and carcinoma or sarcoma of the
XX CC skin. The present sequence is that of a human expressed sequence tag
XX CC (EST) of the invention
XX SQ Sequence 11 BP; 4 A; 0 C; 6 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 11;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 935 TCCTCTTCA 943
Db 11 TCCTCTTCA 3
XX
RESULT 2589
AAX85598
ID AAX85598 standard; DNA; 12 BP.
XX AC AAX85598;
XX DT 06-SEP-1999 (first entry)
XX DE Fragment of the porcine circovirus genome.
XX
XX MAP; piglet fatal wasting disease; vaccine; circovirus infection;
XX gene therapy; ss.
XX OS Porcine circovirus.
XX
XX FR2772047-A1.
XX 11-JUN-1999.
XX
XX 05-DEC-1997; 97FR-00015396.
XX 05-DEC-1997; 97FR-00015396.
XX (NAVE-) CENT NAT ETUD VETERINAIRES & ALIMENTAIRE.
XX Jestin A, Albina E, Le Cann P, Blanchard P, Hutet E, Arnauld C;
XX WPI; 1999-360000/31.
XX
XX Nucleotide sequence of porcine circovirus MAP - useful in vaccines
XX against MAP circovirus infection and in gene therapy.
XX Claim 5; Page 59; 89pp; French.
XX
XX The present sequence represents a fragment of the porcine circovirus
XX genome associated with MAP. MAP is the french acronym for piglet fatal
XX wasting disease. The polypeptides can be used to detect anti-MAP
XX antibodies. The antibodies can be used to detect MAP antigens. The
XX nucleotide sequences can be used as probes or primers for detecting MAP
XX nucleic acids. The nucleotide sequences, polypeptides, vectors,
XX (pseudo)viral particles, transformed cells and compounds selected by the
XX screening assay can be used in pharmaceutical compositions. The
XX polypeptides, nucleotide sequences, vectors and transformed cells can be
XX used in vaccines against MAP circovirus infection. The vectors,
XX (pseudo)viral particles and transformed cells can be used for gene

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CC therapy
XX Sequence 12 BP; 0 A; 5 C; 1 G; 6 T; 0 U; 0 Other;
SQ Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCTCTT 941
DB 4 CCTCTCTT 12

RESULT 2590
AAA55929
ID AAA55929 standard; DNA; 12 BP.
XX
AC AAA55929;
XX
DT 04-SEP-2000 (first entry)
XX
DE Adapter linker nucleotide sequence SEQ ID NO:88.
XX
KW Yeast; detection; protein-protein interaction; DNA-binding domain;
KW characterisation; identification; protein pathway information;
KW protein interaction domain; screening; PCR primer; adapter; linker;
KW fusion protein; inhibitor; regulation; ss.
XX
OS Synthetic.
XX
PN US6057101-A.
XX
PD 02-MAY-2000.
XX
PF 13-JUN-1997; 97US-00874825.
XX
PR 14-JUN-1996; 96US-00663824.
XX
PA (CURA-) CURAGEN CORP.
XX
PI Knight JR, Kalbfleisch TS, Yang M, Nandabalan K, Rothberg JM;
XX WPI; 2000-349567/30.
XX
PT Identifying, comparing and detecting inhibitors of protein-protein
PT interactions within population of host cells, involves detecting
PT regulation of transcription of nucleic acid sequence by fusion protein
PT interaction.
XX
PS Example; Col 131; 161pp; English.
XX
CC The present invention describes a method for detecting (D) at least 1
CC protein-protein interaction (PPI) by recombinantly expressing within a
CC population of host cells, populations of first and second fusion proteins
CC comprising DNA binding domain (DBD) and transcriptional regulatory domain
CC (TRD) respectively and detecting the regulation of transcription of
CC nucleotide sequence of host cells operably linked to a promoter driven by
CC DBD. The detection method (D) is useful for identifying inhibitors of PPI
CC for therapeutic use, and for detecting specific cell types, tissue types,
CC stage of development and disease states. From the population of the
CC proteins characteristic of the particular tissue or a cell-type, all
CC possible detectable PPI that occur can be identified and genes encoding
CC these proteins can be isolated. Thus, parallel analysis of two cell types
CC enumerates PPI that are common to both and those that are specific to
CC both. This analysis has significant value since PPI specific to a disease
CC state can serve as therapeutic points of intervention. Inhibitors of PPI
CC can also be isolated in rapid fashion. The number of false positives and
CC low throughput are reduced. AAA55843 to AAA55963 and AAA90961 are
CC sequences used in the exemplification of the present invention
XX
SQ Sequence 12 BP; 1 A; 4 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 936 CCTCTTCAT 944
DB 3 CCTCTTCAT 11

RESULT 2591
AAA73441
ID AAA73441 standard; DNA; 12 BP.
XX
AC AAA73441;
XX
DT 09-FEB-2001 (first entry)
XX
DE Linker JALL.
XX
KW Linker; yeast; two-hybrid system; protein-protein interaction; cancer;
KW ss.
XX
OS Saccharomyces cerevisiae.
XX
PN US6083693-A.
XX
PD 04-JUL-2000.
XX
PF 14-JUN-1996; 96US-00663824.
XX
PR 14-JUN-1996; 96US-00663824.
XX
PA (CURA-) CURAGEN CORP.
XX
PI Nandabalan K, Rothberg JM;
XX WPI; 2000-464335/40.
XX
PT Detecting protein-protein interactions in protein populations useful for
PT identifying genes encoding the proteins, and inhibitors of the
PT interactions, by detecting transcriptional regulation leading to reporter
PT gene activation.
XX
PS Example; Col 103-104; 135pp; English.
XX
CC The present invention relates to methods for detecting and isolating
CC genes encoding proteins that interact with each other, via the
CC reconstitution of a transcription factor and hence reporter gene
CC activation. Proteins are fused to either the yeast DNA-binding domain of a
CC transcriptional activator or to the activation domain of a
CC present invention as an adapter in the analysis of yeast fusion genes.
CC The present method may be used to identify protein-protein interactions
CC and genes encoding the interacting proteins relevant to a particular
CC tissue, stage or disease e.g. cancer
XX
SQ Sequence 12 BP; 1 A; 4 C; 3 G; 4 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 936 CCTCTTCAT 944
DB 3 CCTCTTCAT 11

RESULT 2592
ABH95716/c
ID ABH95716 standard; DNA; 12 BP.
XX
AC ABH95716;
XX
DT 22-FEB-2002 (first entry)

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XX DE Oligonucleotide primer SEQ ID NO 295709 for detecting SNP TSC0016695.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 295709; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred.No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGCT 955
Db 10 GTTTAATGCT 2
|||||
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RESULT 2593
ABH90779
ID ABH90779 standard; DNA; 12 BP.
AC ABH90779;
XX ABH90779;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 290772 for detecting SNP TSC0014508.
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 295709; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
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PF 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 290772; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred.No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTTCT 913
Db 1 TCATTTTCT 9
|||||
|

RESULT 2594
ABI50614/C
ID ABI50614 standard; DNA; 12 BP.
XX ABI50614;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 350587 for detecting SNP TSC0046765.
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
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XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 377730; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 944 TTGGTTTAA 952
XX DB 3 TTGGTTTAA 11
XX
XX RESULT 2600
XX ABI79905
XX ID ABI79905 standard; DNA; 12 BP.
XX AC ABI79905;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 379878 for detecting SNP TSC0000746.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 379878; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 944 TTGGTTTAA 952
XX DB 3 TTGGTTTAA 11
XX
XX RESULT 2600
XX ABI79905
XX ID ABI79905 standard; DNA; 12 BP.
XX AC ABI79905;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 379878 for detecting SNP TSC0000746.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 379878; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 936 CCTCTTCAT 944
XX DB 1 CCTCTTCAT 9
XX
XX RESULT 2601
XX ABI81603
XX ID ABI81603 standard; DNA; 12 BP.
XX AC ABI81603;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 381576 for detecting SNP TSC0064432.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 381576; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;

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Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      949 TTAATGTAT 957
Db      3 TTAATGTAT 11

RESULT 2602
ABI19581
ID      ABI19581 standard; DNA; 12 BP.
AC      ABI19581;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide primer SEQ ID NO 319554 for detecting SNP TSC0029291.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
XX
XX      Olek A, Piepenbrock C, Berlin K;
XX
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX      designed to detect single-nucleotide polymorphisms and cytosine
XX      methylation status.
XX
XX      Claim 1; SEQ ID NO 319554; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX      and cytosine methylation status in chemically pretreated genomic DNA. The
XX      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX      range of diseases including immune system, gastrointestinal, respiratory,
XX      central nervous system, cardiovascular and metabolic disorders. The
XX      oligomers are also used for detecting cell type differentiation. ABC00010
XX      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX      represent the oligomers described in the invention. NOTE: The sequence
XX      data for this patent did not form part of the printed specification, but
XX      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      943 ATTGGTTTA 951
Db      4 ATTGGTTTA 12

RESULT 2603
ABH74720
ID      ABH74720 standard; DNA; 12 BP.
XX
```

```
AC      ABH74720;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide primer SEQ ID NO 274705 for detecting SNP TSC0003650.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
XX      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
XX
XX      07-APR-2000; 2000DE-01019173.
XX
XX      (EPIG-) EPIGENOMICS AG.
XX
XX      Olek A, Piepenbrock C, Berlin K;
XX
XX      WPI; 2001-657177/75.
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX      designed to detect single-nucleotide polymorphisms and cytosine
XX      methylation status.
XX
XX      Claim 1; SEQ ID NO 274705; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX      and cytosine methylation status in chemically pretreated genomic DNA. The
XX      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX      range of diseases including immune system, gastrointestinal, respiratory,
XX      central nervous system, cardiovascular and metabolic disorders. The
XX      oligomers are also used for detecting cell type differentiation. ABC00010
XX      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX      represent the oligomers described in the invention. NOTE: The sequence
XX      data for this patent did not form part of the printed specification, but
XX      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 3 A; 1 C; 0 G; 8 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      907 ATTTCTTT 915
Db      2 ATTTCTTT 10

RESULT 2604
ABI26746/c
ID      ABI26746 standard; DNA; 12 BP.
XX
XX      ABI26746;
XX
XX      22-FEB-2002 (first entry)
XX
XX      Oligonucleotide primer SEQ ID NO 326719 for detecting SNP TSC0033245.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX      Homo sapiens.
XX
XX      WO200177384-A2.
XX
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XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 326719; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 946 GTTTTAATG 954
XX |||||||
XX Db 12 GTTTTAATG 4
XX
XX RESULT 2605
XX ABI01684
XX ID ABI01684 standard; DNA; 12 BP.
XX
XX AC ABI01684;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 301657 for detecting SNP TSC0019597.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 301657; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 5 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 946 GTTTTAATG 954
XX |||||||
XX Db 12 GTTTTAATG 4
XX
XX RESULT 2605
XX ABI01684
XX ID ABI01684 standard; DNA; 12 BP.
XX
XX AC ABI01684;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 301657 for detecting SNP TSC0019597.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 301657; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 947 GTTTTAATG 955
XX |||||||
XX Db 3 GTTTTAATG 11
XX
XX RESULT 2606
XX ABI02367
XX ID ABI02367 standard; DNA; 12 BP.
XX
XX AC ABI02367;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 302340 for detecting SNP TSC0019947.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 302340; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010

```



CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 907 ATTTCCTTT 915  
|||||  
Db 1 ATTTCCTTT 9  
  
RESULT 2607  
ABI04593/C  
ID ABI04593 standard; DNA; 12 BP.  
XX  
AC ABI04593;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 304566 for detecting SNP TSC0020999.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 304566; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 3 C; 1 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 943 ATTGGTTTA 951  
  
RESULT 2609  
ABH86427  
ID ABH86427 standard; DNA; 12 BP.  
XX  
AC ABH86427;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 286420 for detecting SNP TSC0012722.  
  
Db 9 ATTGGTTTA 1  
|||||  
RESULT 2608  
ABH86165  
ID ABH86165 standard; DNA; 12 BP.  
XX  
AC ABH86165;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 286158 for detecting SNP TSC0012604.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 286158; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 926 TTTTATCCC 934  
|||||  
Db 3 TTTTATCCC 11  
  
RESULT 2609  
ABH86427  
ID ABH86427 standard; DNA; 12 BP.  
XX  
AC ABH86427;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 286420 for detecting SNP TSC0012722.



XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 0 G; 6 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 906 CATTTTCTT 914  
Db 2 CATTTTCTT 10  
RESULT 2612  
ABI67671/c  
ID ABI67671 standard; DNA; 12 BP.  
XX  
AC ABI67671;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 367644 for detecting SNP TSC0056461.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 367644; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
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XX ftp.wipo.int/pub/published\_pct\_sequences

XX  
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 905 TCATTTTCT 913  
Db 10 TCATTTTCT 2  
RESULT 2613  
ABI54939/c  
ID ABI54939 standard; DNA; 12 BP.  
XX  
AC ABI54939;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 354912 for detecting SNP TSC0049362.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 354912; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
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XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 948 TTTTAATGTA 956  
Db 10 TTTTAATGTA 2  
RESULT 2614

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ABI57288
ID ABI57288 standard; DNA; 12 BP.
XX
AC ABI57288;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 357261 for detecting SNP TSC0050537.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 371624; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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data for this patent did not form part of the printed specification, but
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ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
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Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
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Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 907 ATTTCTTT 915
Db 3 ATTTCTTT 11
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RESULT 2615
ABI71651/c
ID ABI71651 standard; DNA; 12 BP.
XX
AC ABI71651;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 371624 for detecting SNP TSC0001358.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 371624; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
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and cytosine methylation status in chemically pretreated genomic DNA. The
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Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
Qy 907 ATTTCTTT 915
Db 3 ATTTCTTT 11
XX
RESULT 2615
ABI77068
ID ABI77068 standard; DNA; 12 BP.
XX
AC ABI77068;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 377041 for detecting SNP TSC0062118.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;

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XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 377041; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 932 CCCCTCCTCT 940  
DB 2 CCCCTCCTCT 10  
RESULT 2617  
ABI77457  
ID ABI77457 standard; DNA; 12 BP.  
XX AC ABI77457;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 377430 for detecting SNP TSC0006235.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 377430; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 945 TGGTTTAAAT 953  
DB 2 TGGTTTAAAT 10  
RESULT 2618  
ABH94731  
ID ABH94731 standard; DNA; 12 BP.  
XX AC ABH94731;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 294724 for detecting SNP TSC0016240.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 294724; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
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CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 945 TGGTTTAAAT 953  
DB 2 TGGTTTAAAT 10  
RESULT 2618  
ABH94731  
ID ABH94731 standard; DNA; 12 BP.  
XX AC ABH94731;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 294724 for detecting SNP TSC0016240.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 294724; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
SQ Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 930 ATCCCTCCT 938  
 Db 4 ATCCCTCCT 12  
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RESULT 2619  
 ABH70543/C  
 ID ABH70543 standard; DNA; 12 BP.  
 AC  
 XX ABH70543;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 270520 for detecting SNP TSC0002171.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPTG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 270520; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTAAATGTA 956  
 Db 10 TTAAATGTA 2  
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RESULT 2620  
 ABH78558  
 ID ABH78558 standard; DNA; 12 BP.  
 AC  
 XX ABH78558;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 303707 for detecting SNP TSC0020612.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
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 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPTG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 278551; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
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 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;  
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 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTAA 952  
 Db 3 TTGGTTAA 11  
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RESULT 2621  
 ABI03734/C  
 ID ABI03734 standard; DNA; 12 BP.  
 AC ABI03734;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 303707 for detecting SNP TSC0020612.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
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 PD 18-OCT-2001.  
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 PF 06-APR-2001; 2001WO-IB000713.  
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 PR 07-APR-2000; 2000DE-01019173.  
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 PA (EPTG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 278551; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
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 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 PS Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
 XX  
 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
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XX methylation status.  
XX Claim 1; SEQ ID NO 303707; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
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XX ftp.wipo.int/pub/published\_pct\_sequences  
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XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 933 CCTCCTCTT 941  
Db 12 CCTCCTCTT 4  
RESULT 2622  
ABI04695/c  
ID ABI04695 standard; DNA; 12 BP.  
XX  
XX AC ABI04695;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide primer SEQ ID NO 304668 for detecting SNP TSC0021044.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

PT methylation status.  
XX Claim 1; SEQ ID NO 304668; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX data for this patent did not form part of the printed specification, but  
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XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 906 CATTTCCTT 914  
Db 12 CATTTCCTT 4  
RESULT 2623  
ABH83878/c  
ID ABH83878 standard; DNA; 12 BP.  
XX  
XX AC ABH83878;  
XX  
XX DT 22-FEB-2002 (first entry)  
XX  
XX DE Oligonucleotide primer SEQ ID NO 283871 for detecting SNP TSC0011542.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200177384-A2.  
XX  
XX PD 18-OCT-2001.  
XX  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX  
XX PR 07-APR-2000; 2000DE-01019173.  
XX  
XX PA (EPIG-) EPIGENOMICS AG.  
XX  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX DR WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 283871; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX data for this patent did not form part of the printed specification, but  
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XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 906 CATTTCCTT 914  
Db 12 CATTTCCTT 4

CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
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 Db 9 TTTAATGTA 1

RESULT 2624  
 ABI35233  
 ID ABI35233 standard; DNA; 12 BP.  
 XX  
 AC ABI35233;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 335206 for detecting SNP TSC0038667.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX

PF 06-APR-2001; 2001WO-IB0000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

DR WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 335206; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
 |||||  
 Db 4 TTTAATGTA 12

RESULT 2625

ABI15017  
 ID ABI15017 standard; DNA; 12 BP.

XX

AC ABI15017;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 314990 for detecting SNP TSC0026673.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX

OS Homo sapiens.

XX WO200177384-A2.

PN 18-OCT-2001.

XX 06-APR-2001; 2001WO-IB0000713.

XX 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.

XX Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 314990; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 4 A; 5 C; 1 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 960 CTACCAACG 968  
 |||||  
 Db 1 CTACCAACG 9

RESULT 2626

ABI42550/C  
 ID ABI42550 standard; DNA; 12 BP.

XX

AC ABI42550;

XX 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 342523 for detecting SNP TSC0042585.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;





CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTTCT 913  
 Db 9 TCATTTTCT 1

RESULT 2629  
 ABI58942/c  
 ID ABI58942 standard; DNA; 12 BP.  
 XX AC ABI58942;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 358915 for detecting SNP TSC0051377.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 358915; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 5 A; 2 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
 Db 12 TTTAATGTA 4

RESULT 2630  
 ABI81717  
 ID ABI81717 standard; DNA; 12 BP.  
 XX AC ABI81717;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 381690 for detecting SNP TSC0064487.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 OS  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIG-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 381690; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 927 TTTATCCCT 935  
 Db 4 TTTATCCCT 12

RESULT 2631  
 ABI19671/c  
 ID ABI19671 standard; DNA; 12 BP.

XX AC AB119671;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 319644 for detecting SNP TSC0029341.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX PI WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX PS Claim 1; SEQ ID NO 319644; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ASC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 3 A; 2 C; 1 G; 6 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 951 AATGATATCG 959  
 DB 10 AATGATATCG 2  
 RESULT 2632  
 ID ABI04178/c  
 ID ABI04178 standard; DNA; 12 BP.  
 AC ABI04178;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 304151 for detecting SNP TSC0020798.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.

PN WO200177384-A2.  
 XX 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX PI WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX PS Claim 1; SEQ ID NO 304151; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABP00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ Sequence 12 BP; 6 A; 0 C; 6 G; 0 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 OY 934 CTCCTCTTC 942  
 DB 12 CTCCTCTTC 4  
 RESULT 2633  
 ID ABI04592/c  
 ID ABI04592 standard; DNA; 12 BP.  
 AC ABI04592;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 304565 for detecting SNP TSC0020999.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX PI WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 304565; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTTA 951  
 |||||  
 Db 9 ATTGGTTTA 1

RESULT 2634

ABI39603/C  
 ID ABI39603 standard; DNA; 12 BP.

XX ABI39603;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 339576 for detecting SNP TSC0041078.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 339576; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The

CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
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 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 7 A; 1 C; 2 G; 2 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCTTT 915  
 |||||  
 Db 9 ATTTCTTT 1

RESULT 2635

ABI40616/C  
 ID ABI40616 standard; DNA; 12 BP.

XX ABI40616;

DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 340589 for detecting SNP TSC0007423.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 340589; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 5 A; 0 C; 3 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 364347; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Indels 0; Gaps 0;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 948 TTAAATGTA 956  
 DB 4 TTAAATGTA 12  
 RESULT 2639  
 ABH67943  
 ID ABH67943 standard; DNA; 12 BP.  
 AC ABH67943;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 267920 for detecting SNP TSC0000690.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

PS Claim 1; SEQ ID NO 267920; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03; Mismatches 0; Indels 0; Gaps 0;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTA 951  
 DB 2 ATTGGTTTA 10  
 RESULT 2640  
 ABH71914  
 ID ABH71914 standard; DNA; 12 BP.  
 AC ABH71914;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 271891 for detecting SNP TSC0002645.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PN 18-OCT-2001.  
 PD 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PA Olek A, Piepenbrock C, Berlin K;  
 PI WPI; 2001-657177/75.  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 271891; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at

```

CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 926 TTTTATCCC 934
DB 3 TTTTATCCC 11

RESULT 2641
ABI03735/C
ID ABI03735 standard; DNA; 12 BP.
XX
AC ABI03735;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 303708 for detecting SNP TSC0020612.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 303708; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 1 C; 6 G; 0 T; 0 U; 0 Other;

  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941
DB 12 CCTCCTCTT 4

RESULT 2642
ABH79870
ID ABH79870 standard; DNA; 12 BP.
XX
AC ABH79870;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 279863 for detecting SNP TSC0007882.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
FN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
DR WPI; 2001-657177/75.
XX
PT Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
PS Claim 1; SEQ ID NO 279863; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;

  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9

RESULT 2643
ABI35849/C
ID ABI35849 standard; DNA; 12 BP.
XX
AC ABI35849;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 335822 for detecting SNP TSC0039042.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

```

OS Homo sapiens.  
 PN WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 351809; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: the sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;  
 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 949 TTAATGTAT 957  
 DB 10 TTAATGTAT 2  
 |||||  
 |||||  
 RESULT 2644  
 ABI51836  
 ID ABI51836 standard; DNA; 12 BP.  
 AC ABI51836;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 351809 for detecting SNP TSC0047500.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 369496; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: the sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;  
 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 949 TTAATGTAT 957  
 DB 10 TTAATGTAT 2  
 |||||  
 |||||  
 RESULT 2644  
 ABI51836  
 ID ABI51836 standard; DNA; 12 BP.  
 AC ABI51836;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 351809 for detecting SNP TSC0047500.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 351809; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
 CC Query Match 12.3%; Score 9; DB 1; Length 12;  
 CC Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 CC Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 943 ATTGGTTTA 951  
 DB 4 ATTGGTTTA 12  
 |||||  
 |||||  
 RESULT 2645  
 ABI69523/c  
 ID ABI69523 standard; DNA; 12 BP.  
 AC ABI69523;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 369496 for detecting SNP TSC0057666.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS WO200177384-A2.  
 PN 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 369496; 29pp + Sequence Listing; German.  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences



CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTCT 913  
 DB 10 TCATTCT 2  
 |||||

RESULT 2646  
 ABI56686/c  
 ID ABI56686 standard; DNA; 12 BP.  
 XX AC ABI56686;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 356659 for detecting SNP TSC0050240.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX PT designed to detect single-nucleotide polymorphisms and cytosine  
 XX PT methylation status.  
 XX PS Claim 1; SEQ ID NO 356659; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTTA 951  
 DB 12 ATTGGTTTA 4  
 |||||

RESULT 2647  
 ABI70789/c  
 ID ABI70789 standard; DNA; 12 BP.  
 XX AC ABI70789;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 370762 for detecting SNP TSC0059378.  
 XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX DR WPI; 2001-657177/75.  
 XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 XX PT designed to detect single-nucleotide polymorphisms and cytosine  
 XX PT methylation status.  
 XX PS Claim 1; SEQ ID NO 370762; 29pp + Sequence Listing; German.  
 XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 5 A; 1 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
 DB 10 TTTAATGTA 2  
 |||||

RESULT 2648  
 ABI60817  
 ID ABI60817 standard; DNA; 12 BP.  
 XX AC ABI60817;



PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 376227; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 906 CATTTCCT 914  
Db 12 CATTTCCT 4  
|||||  
|  
RESULT 2651  
ABI66743/C  
ID ABI66743 standard; DNA; 12 BP.  
XX  
AC ABI66743;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 366716 for detecting SNP TSC0055935.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 366716; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 906 CATTTCCT 914  
Db 12 CATTTCCT 4  
|||||  
|  
RESULT 2652  
ABI17700  
ID ABI17700 standard; DNA; 12 BP.  
XX  
AC ABI17700;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 317673 for detecting SNP TSC0028164.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
FN WO200177384-A2.  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 317673; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 6 C; 1 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 958 CGTACCAA 966  
|||||  
|

Db 4 CGCTACCAA 12

RESULT 2653

ABH70316

ID ABH70316 standard; DNA; 12 BP.

XX AC ABH70316;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 270293 for detecting SNP TSC0002077.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

XX Claim 1; SEQ ID NO 270293; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX Query Match 12.3%; Score 9; DB 1; Length 12;

XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;

XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

XX QY 945 TGGTTTAAAT 953

XX DB 4 TGGTTTAAAT 12

XX RESULT 2654

XX ABH77224

XX ID ABH77224 standard; DNA; 12 BP.

XX AC ABH77224;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 277217 for detecting SNP TSC0004409.

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.

PN WO200177384-A2.

PD 18-OCT-2001.

PF 06-APR-2001; 2001WO-IB000713.

PR 07-APR-2000; 2000DE-01019173.

PA (EPIG-) EPIGENOMICS AG.

PI Olek A, Piepenbrock C, Berlin K;

WPI; 2001-657177/75.

Set of oligonucleotides, useful for diagnosis and cell typing, is designed to detect single-nucleotide polymorphisms and cytosine methylation status.

Claim 1; SEQ ID NO 277217; 29pp + Sequence Listing; German.

This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957

DB 1 TTAATGTAT 9

RESULT 2655

ABH78593

ID ABH78593 standard; DNA; 12 BP.

AC ABH78593;

DT 22-FEB-2002 (first entry)

DE Oligonucleotide primer SEQ ID NO 278596 for detecting SNP TSC0006163.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 278586; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX QY 924 CCTTTATC 932  
XX DB 1 CCTTTATC 9  
XX  
XX RESULT 2656  
XX ABI04774/C  
XX ID ABI04774 standard; DNA; 12 BP.  
XX AC ABI04774;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 304747 for detecting SNP TSC0021084.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 304747; 29pp + Sequence Listing; German.  
XX

CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX QY 943 ATGTGTTTA 951  
XX DB 11 ATGTGTTTA 3  
XX  
XX RESULT 2657  
XX ABI34418  
XX ID ABI34418 standard; DNA; 12 BP.  
XX AC ABI34418;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 334391 for detecting SNP TSC0039121.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 334391; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX

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SQ      Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      944 TTGGTTTAA 952
DB      1 TTGGTTTAA 9

RESULT 2658
ABI112055/c
ID      ABI112055 standard; DNA; 12 BP.
XX
AC      ABI112055;
XX
XX
DT      22-FEB-2002 (first entry)
XX
DE      Oligonucleotide primer SEQ ID NO 312028 for detecting SNP TSC0024810.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.
XX
XX      WO200177384-A2.
PN
PD      18-OCT-2001.
XX
XX      06-APR-2001; 2001WO-IB000713.
PF
XX      07-APR-2000; 2000DE-01019173.
PR
XX      (EPIG-) EPIGENOMICS AG.
PA
XX      Olek A, Piepenbrock C, Berlin K;
PI
XX      WPI; 2001-657177/75.
DR
XX
XX      Set of oligonucleotides, useful for diagnosis and cell typing, is
XX      designed to detect single-nucleotide polymorphisms and cytosine
XX      methylation status.
XX
XX      Claim 1; SEQ ID NO 312028; 29pp + Sequence Listing; German.
XX
XX      This invention describes novel oligonucleotide primers or peptide nucleic
XX      acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX      and cytosine methylation status in chemically pretreated genomic DNA. The
XX      oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX      range of diseases including immune system, gastrointestinal, respiratory,
XX      central nervous system, cardiovascular and metabolic disorders. The
XX      oligomers are also used for detecting cell type differentiation. ABC00010
XX      -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX      represent the oligomers described in the invention. NOTE: The sequence
XX      data for this patent did not form part of the printed specification, but
XX      was obtained in electronic format from WIPO at
XX      ftp.wipo.int/pub/published_pct_sequences
XX
XX      Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      932 CCTCTCTCT 940
DB      9 CCTCTCTCT 1

RESULT 2659
ABH90122
SQ      Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      944 TTGGTTTAA 952
DB      1 TTGGTTTAA 9

RESULT 2660
ABI68285
ID      ABI68285 standard; DNA; 12 BP.
XX
AC      ABI68285;
XX
XX      22-FEB-2002 (first entry)
DT
XX
DE      Oligonucleotide primer SEQ ID NO 368258 for detecting SNP TSC006995.
XX
XX      SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX      peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX      central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS      Homo sapiens.

```

XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 368258; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 3 A; 0 C; 4 G; 5 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;  
  
QY 944 TTGGTTAA 952  
Db 4 TTGGTTAA 12  
|||||||  
|||||||  
  
RESULT 2661  
ABI57929/c  
ID ABI57929 standard; DNA; 12 BP.  
XX AC ABI57929;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 357902 for detecting SNP TSC0050863.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 364150; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 357902; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 5 A; 0 C; 6 G; 1 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;  
  
QY 934 CTCCTCTTC 942  
Db 9 CTCCTCTTC 1  
|||||||  
|||||||  
  
RESULT 2662  
ABI64177/c  
ID ABI64177 standard; DNA; 12 BP.  
XX AC ABI64177;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 364150 for detecting SNP TSC0054303.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 364150; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
CC  
SQ Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 935 TCCTCTTCA 943  
DB 12 TCCTCTTCA 4  
RESULT 2663  
ABH73634  
ID ABH73634 standard; DNA; 12 BP.  
XX AC ABH73634;  
XX AC  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide primer SEQ ID NO 273619 for detecting SNP TSC0003249.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX OS  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 273619; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 1 G; 8 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 947 GTTTAATGT 955  
DB 10 GTTTAATGT 2  
RESULT 2665  
ABH78946/c  
ID ABH78946 standard; DNA; 12 BP.  
XX AC ABH78946;  
XX AC  
DT 22-FEB-2002 (first entry)  
DE Oligonucleotide primer SEQ ID NO 274779 for detecting SNP TSC0003673.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX OS  
XX WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 274779; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 947 GTTTAATGT 955  
DB 10 GTTTAATGT 2  
RESULT 2665  
ABH78946/c  
ID ABH78946 standard; DNA; 12 BP.  
XX AC ABH78946;  
XX AC  
DT 22-FEB-2002 (first entry)



```

XX DE Oligonucleotide primer SEQ ID NO 278939 for detecting SNP TSC000650.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR (EPIG-) EPIGENOMICS AG.
XX PA
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 278939; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGGTTTA 951
XX Db 9 ATTGGTTTA 1
XX
XX RESULT 2666
XX ABI08267
XX ID ABI08267 standard; DNA; 12 BP.
XX AC
XX AC ABI08267;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 308240 for detecting SNP TSC002922.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX

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PF PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 308240; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 934 CTCCTCTTC 942
XX Db 4 CTCCTCTTC 12
XX
XX RESULT 2667
XX ABI40627/C
XX ID ABI40627 standard; DNA; 12 BP.
XX AC
XX AC ABI40627;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 340600 for detecting SNP TSC0041605.
XX DE
XX DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX OS
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX

```

```

XX PS Claim 1; SEQ ID NO 340600; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 11 ATTTCCTTT 3
RESULT 2668
ABI15627/C
ID ABI15627 standard; DNA; 12 BP.
XX
AC ABI15627;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 315600 for detecting SNP TSC0026985.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 315600; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
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ftp.wipo.int/pub/published_pct_sequences
XX
Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 935 TCCTCTTCA 943
DB 11 TCCTCTTCA 3
RESULT 2669
ABI44988/C
ID ABI44988 standard; DNA; 12 BP.
XX
AC ABI44988;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 344961 for detecting SNP TSC0043801.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 344961; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
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XX
Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 935 TCCTCTTCA 943
DB 11 TCCTCTTCA 3

```

```

XX PS Claim 1; SEQ ID NO 340600; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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CC ftp.wipo.int/pub/published_pct_sequences
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SQ Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 11 ATTTCCTTT 3
RESULT 2668
ABI15627/C
ID ABI15627 standard; DNA; 12 BP.
XX
AC ABI15627;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 315600 for detecting SNP TSC0026985.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
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PR 07-APR-2000; 2000DE-01019173.
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PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 315600; 29pp + Sequence Listing; German.
XX
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acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligomers are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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XX
Sequence 12 BP; 4 A; 0 C; 5 G; 3 T; 0 U; 0 Other;
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 935 TCCTCTTCA 943
DB 11 TCCTCTTCA 3

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RESULT 2670
ABI67670
ID ABI67670 standard; DNA; 12 BP.
XX
AC ABI67670;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 367643 for detecting SNP TSC0004601.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 367643; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
data for this patent did not form part of the printed specification, but
was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
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-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
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was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 949 TTAATGTA 957
DB 4 TTAATGTA 12
RESULT 2671
ABI62149
ID ABI62149 standard; DNA; 12 BP.
XX
AC ABI62149;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 362122 for detecting SNP TSC0053035.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
WPI; 2001-657177/75.
XX
Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX
Claim 1; SEQ ID NO 362122; 29pp + Sequence Listing; German.
XX
This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
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was obtained in electronic format from WIPO at
ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 948 TTTAATGTA 956
DB 1 TTTAATGTA 9
RESULT 2672
ABI63807
ID ABI63807 standard; DNA; 12 BP.
XX
AC ABI63807;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 363780 for detecting SNP TSC0054057.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIC-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
designed to detect single-nucleotide polymorphisms and cytosine
methylation status.
XX Claim 1; SEQ ID NO 362122; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
and cytosine methylation status in chemically pretreated genomic DNA. The
oligonucleotides are used for diagnosis and/or prognosis of cancer and a
range of diseases including immune system, gastrointestinal, respiratory,
central nervous system, cardiovascular and metabolic disorders. The
oligonucleotides are also used for detecting cell type differentiation. ABC00010
-ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
represent the oligomers described in the invention. NOTE: The sequence
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XX
SQ Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 948 TTTAATGTA 956
DB 1 TTTAATGTA 9
RESULT 2672
ABI63807
ID ABI63807 standard; DNA; 12 BP.
XX
AC ABI63807;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 363780 for detecting SNP TSC0054057.
XX
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIC-) EPIGENOMICS AG.

```

XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 363780; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 924 CCTTTATC 932  
DB 1 CCTTTATC 9  
  
RESULT 2673  
ABI18422  
ID ABI18422 standard; DNA; 12 BP.  
XX  
AC ABI18422;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 318395 for detecting SNP TSC0028635.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR Oligonucleotide primer SEQ ID NO 318395 for detecting SNP TSC0028635.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 318395; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 0 C; 2 G; 8 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 944 TTGGTTAA 952  
DB 4 TTGGTTAA 12  
  
RESULT 2674  
ABI20296  
ID ABI20296 standard; DNA; 12 BP.  
XX  
AC ABI20296;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 320269 for detecting SNP TSC0029625.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 320269; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
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CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

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Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 905 TCATTCTCT 913
Db 4 TCATTCTCT 12

RESULT 2675
ABH96179
ID ABH96179 standard; DNA; 12 BP.
XX AC ABH96179;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 296172 for detecting SNP TSC0016943.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 296172; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
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XX
XX SQ Sequence 12 BP; 1 A; 8 C; 0 G; 3 T; 0 U; 0 Other;
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 931 TCCCTCCTC 939
Db 2 TCCCTCCTC 10

RESULT 2676
ABH73353
ID ABH73353 standard; DNA; 12 BP.
XX AC ABH73353;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301138 for detecting SNP TSC0019369.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.

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AC ABH73353;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 273338 for detecting SNP TSC0003145.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 273338; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 905 TCATTCTCT 913
Db 3 TCATTCTCT 11

RESULT 2677
ABI01165/c
ID ABI01165 standard; DNA; 12 BP.
XX AC ABI01165;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 301138 for detecting SNP TSC0019369.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.

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XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIC-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 301138; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ASC00010  
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 944 TTGGTTTAA 952  
 DB 9 TTGGTTTAA 1  
 RESULT 2678  
 ABI02686  
 ID ABI02686 standard; DNA; 12 BP.  
 XX AC ABI02686;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 302659 for detecting SNP TSC0020110.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIC-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 302659; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
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 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 8 A; 2 C; 0 G; 2 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 944 TTGGTTTAA 952  
 DB 9 TTGGTTTAA 1  
 RESULT 2678  
 ABI02686  
 ID ABI02686 standard; DNA; 12 BP.  
 XX AC ABI02686;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 302659 for detecting SNP TSC0020110.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIC-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.

PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 302659; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ASC00010  
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 0 A; 9 C; 0 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 931 TCCTCTCTC 939  
 DB 1 TCCTCTCTC 9  
 RESULT 2679  
 ABH85113/C  
 ID ABH85113 standard; DNA; 12 BP.  
 XX AC ABH85113;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 285106 for detecting SNP TSC0012152.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIC-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 285106; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ASC00010

CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 4 A; 0 C; 8 G; 0 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 931 TCCCTCCCTC 939  
|||||  
12 TCCCTCCCTC 4  
  
Db  
RESULT 2680  
ABI13522  
ID ABI13522 standard; DNA; 12 BP.  
XX  
AC ABI13522;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 313495 for detecting SNP TSC0025796.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 313495; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 0 G; 6 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 925 CTTTATCC 933  
|||||  
3 CTTTATCC 11  
  
Db  
RESULT 2681  
ABI42192  
ID ABI42192 standard; DNA; 12 BP.  
XX  
AC ABI42192;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 342165 for detecting SNP TSC0042413.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
DR WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 342165; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 6 C; 0 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 929 TATCCCTCC 937  
|||||  
4 TATCCCTCC 12  
  
Db  
RESULT 2682  
ABI46190  
ID ABI46190 standard; DNA; 12 BP.  
XX  
AC ABI46190;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 346163 for detecting SNP TSC0044411.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 346163; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 1 A; 6 C; 0 G; 5 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 929 TATCCCTCC 937  
 DB 1 TATCCCTCC 9  
 RESULT 2683  
 ABI47523  
 ID ABI47523 standard; DNA; 12 BP.  
 XX AC ABI47523;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 347496 for detecting SNP TSC0045137.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX Claim 1; SEQ ID NO 347496; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 7 C; 0 G; 3 T; 0 U; 0 Other;  
 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 929 TATCCCTCC 937  
 DB 3 TATCCCTCC 11  
 RESULT 2684  
 ABI70334/C  
 ID ABI70334 standard; DNA; 12 BP.  
 XX AC ABI70334;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 370307 for detecting SNP TSC0058110.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
 XX 06-APR-2001; 2001WO-IB000713.  
 XX 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 370307; 29pp + Sequence Listing; German.

PR 07-APR-2000; 2000DE-01019173.  
 XX (EPIG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
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 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 347496; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 XX Query Match 12.3%; Score 9; DB 1; Length 12;  
 XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 929 TATCCCTCC 937  
 DB 3 TATCCCTCC 11  
 RESULT 2684  
 ABI70334/C  
 ID ABI70334 standard; DNA; 12 BP.  
 XX AC ABI70334;  
 XX 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 370307 for detecting SNP TSC0058110.  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 OS Homo sapiens.  
 XX WO200177384-A2.  
 XX 18-OCT-2001.  
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 XX Claim 1; SEQ ID NO 370307; 29pp + Sequence Listing; German.



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CC central nervous system, cardiovascular and metabolic disorders. The  
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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX SQ Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTTA 951  
Db 11 ATTGGTTTA 3  
|||||

RESULT 2685  
ABI74444  
ID ABI74444 standard; DNA; 12 BP.  
XX AC ABI74444;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 374417 for detecting SNP TSC0060680.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 374417; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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XX SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957  
Db 1 TTAATGTAT 9  
|||||

RESULT 2686  
ABI64490  
ID ABI64490 standard; DNA; 12 BP.  
XX AC ABI64490;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 364463 for detecting SNP TSC0054479.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 364463; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTTAA 952  
Db 3 TTGGTTTAA 11  
|||||

RESULT 2687

ABI66296  
ID ABI66296 standard; DNA; 12 BP.  
XX  
AC ABI66296;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 366269 for detecting SNP TSC0055636.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPITG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 366269; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
XX  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 935 TCCTCTTCA 943  
DB 4 TCCTCTTCA 12  
XX  
RESULT 2688  
ABH94348  
ID ABH94348 standard; DNA; 12 BP.  
XX  
AC ABH94348;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 294341 for detecting SNP TSC0016074.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPITG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 294341; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 4 C; 0 G; 6 T; 0 U; 0 Other;  
XX  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 947 GTTTAATGT 955  
DB 3 GTTTAATGT 11  
XX  
RESULT 2689  
ABH73162/c  
ID ABH73162 standard; DNA; 12 BP.  
XX  
AC ABH73162;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 273147 for detecting SNP TSC0003063.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPITG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;

OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPITG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
PI WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 294341; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99889, ABF00010-ABF99889, ABH00010-ABH99889 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;  
XX  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 947 GTTTAATGT 955  
DB 3 GTTTAATGT 11  
XX  
RESULT 2689  
ABH73162/c  
ID ABH73162 standard; DNA; 12 BP.  
XX  
AC ABH73162;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 273147 for detecting SNP TSC0003063.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPITG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 273147; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 949 TTAATGTTAT 957  
DB 12 TTAATGTTAT 4  
  
RESULT 2690  
ABH82797/c  
ID ABH82797 standard; DNA; 12 BP.  
XX  
AC ABH82797;  
XX  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide primer SEQ ID NO 282790 for detecting SNP TSC0010992.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 282790; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a

CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 906 CATTTTCCTT 914  
DB 9 CATTTTCCTT 1  
  
RESULT 2691  
ABI11373/c  
ID ABI11373 standard; DNA; 12 BP.  
XX  
AC ABI11373;  
XX  
XX 22-FEB-2002 (first entry)  
DT  
XX Oligonucleotide primer SEQ ID NO 311346 for detecting SNP TSC0024436.  
DE  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
PN  
XX 18-OCT-2001.  
PD  
XX 06-APR-2001; 2001WO-IB000713.  
PF  
XX 07-APR-2000; 2000DE-01019173.  
PR  
XX (EPIG-) EPIGENOMICS AG.  
PA  
XX Olek A, Piepenbrock C, Berlin K;  
PI  
XX WPI; 2001-657177/75.  
DR  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
PS Claim 1; SEQ ID NO 311346; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 1 C; 5 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;



XX 06-APR-2001; 2001WO-IB000713.  
 XX  
 XX  
 XX 07-APR-2000; 2000DE-01019173.  
 XX  
 XX (EPIG-) EPIGENOMICS AG.  
 XX  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 378587; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 3 A; 5 C; 0 G; 4 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 936 CCTCTTCAT 944  
 Db 1 CCTCTTCAT 9  
 |||||  
 RESULT 2695  
 ABI66615/c  
 ID ABI66615 standard; DNA; 12 BP.  
 XX  
 XX ABI66615;  
 AC  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide primer SEQ ID NO 366588 for detecting SNP TSC0055854.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 366588; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 XX Sequence 12 BP; 5 A; 3 C; 1 G; 3 T; 0 U; 0 Other;  
 SQ  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 947 GTTATATGT 955  
 Db 9 GTTATATGT 1  
 |||||  
 RESULT 2696  
 ABI17925  
 ID ABI17925 standard; DNA; 12 BP.  
 XX  
 XX ABI17925;  
 AC  
 XX 22-FEB-2002 (first entry)  
 DT  
 XX Oligonucleotide primer SEQ ID NO 317898 for detecting SNP TSC0028334.  
 DE  
 XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 XX  
 XX 18-OCT-2001.  
 PD  
 XX 06-APR-2001; 2001WO-IB000713.  
 PF  
 XX 07-APR-2000; 2000DE-01019173.  
 PR  
 XX (EPIG-) EPIGENOMICS AG.  
 PA  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX  
 XX WPI; 2001-657177/75.  
 XX  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 XX Claim 1; SEQ ID NO 317898; 29pp + Sequence Listing; German.  
 XX  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence

CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 905 TCATTTCCT 913  
 Db 1 TCATTTCCT 9  
 |||||

RESULT 2698

ABH77868/c  
 ID ABH77868 standard; DNA; 12 BP.

XX AC ABH77868;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 269827 for detecting SNP TSC0001892.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;

XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is

PT designed to detect single-nucleotide polymorphisms and cytosine

PT methylation status.

XX Claim 1; SEQ ID NO 269827; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 4 A; 0 C; 1 G; 7 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 948 TTTAATGTA 956  
 Db 1 TTTAATGTA 9  
 |||||

RESULT 2698  
 ABH77868/c  
 ID ABH77868 standard; DNA; 12 BP.

XX AC ABH77868;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 277861 for detecting SNP TSC0005098.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX PN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX Claim 1; SEQ ID NO 277861; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 6 A; 1 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957  
 Db 12 TTAATGTAT 4  
 |||||

RESULT 2699

ABI06647/c

ID ABI06647 standard; DNA; 12 BP.

XX AC ABI06647;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 306620 for detecting SNP TSC00202094.

XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 306620; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 3 A; 0 C; 7 G; 2 T; 0 U; 0 Other;  
SQ  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 930 ATCCCTCCT 938  
DB 10 ATCCCTCCT 2  
RESULT 2700  
ABI32262  
ID ABI32262 standard; DNA; 12 BP.  
XX  
AC ABI32262;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 332235 for detecting SNP TSC0036789.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
PA (EPIG-) EPIGENOMICS AG.  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 332235; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;  
SQ  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 949 TTAATGTAT 957  
DB 3 TTAATGTAT 11  
RESULT 2701  
ABI12529  
ID ABI12529 standard; DNA; 12 BP.  
XX  
AC ABI12529;  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 312502 for detecting SNP TSC0025093.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
OS Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 312502; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic

CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;  
 SQ

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 947 GTTTAATGT 955  
 Db 1 GTTTAATGT 9  
 |||||

RESULT 2702  
 ABH8958/c  
 ID ABH8958 standard; DNA; 12 BP.  
 XX AC ABH8958;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 28951 for detecting SNP TSC0013741.  
 XX KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 28951; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 6 A; 4 C; 0 G; 2 T; 0 U; 0 Other;  
 SQ

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 946 GGTTTAATG 954  
 Db 12 GGTTTAATG 4  
 |||||

RESULT 2703  
 ABI41480  
 ID ABI41480 standard; DNA; 12 BP.  
 XX AC ABI41480;  
 XX DT 22-FEB-2002 (first entry)  
 XX DE Oligonucleotide primer SEQ ID NO 341453 for detecting SNP TSC0042043.  
 XX KW SNP: single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS Homo sapiens.  
 XX PN WO200177384-A2.  
 XX PD 18-OCT-2001.  
 XX PF 06-APR-2001; 2001WO-IB000713.  
 XX PR 07-APR-2000; 2000DE-01019173.  
 XX PA (EPIG-) EPIGENOMICS AG.  
 XX PI Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 341453; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABG9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX Sequence 12 BP; 2 A; 1 C; 0 G; 9 T; 0 U; 0 Other;  
 SQ

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 907 ATTTCCTT 915  
 Db 2 ATTTCCTT 10  
 |||||

RESULT 2704  
 ABH91563/c  
 ID ABH91563 standard; DNA; 12 BP.



XX ABH91563;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX  
XX Oligonucleotide primer SEQ ID NO 291556 for detecting SNP TSC0014831.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 342395; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABFC0010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABFC0010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 7 A; 2 C; 0 G; 3 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 944 TTGGTTTAA 952  
Db 9 TTGGTTTAA 1  
RESULT 2705  
ABI42422  
ID ABI42422 standard; DNA; 12 BP.  
XX  
XX ABI42422;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 342395 for detecting SNP TSC0042527.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX

PN WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 342395; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABFC0010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 4 A; 4 C; 0 G; 4 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 928 TTATCCCTC 936  
Db 4 TTATCCCTC 12  
RESULT 2706  
ABI44935  
ID ABI44935 standard; DNA; 12 BP.  
XX  
XX ABI44935;  
AC  
XX  
XX 22-FEB-2002 (first entry)  
XX  
XX Oligonucleotide primer SEQ ID NO 344908 for detecting SNP TSC0043756.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 344908; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 905 TCATTCTCT 913  
DB 3 TCATTCTCT 11  
  
RESULT 2707  
ABI49477/c  
ID ABI49477 standard; DNA; 12 BP.  
XX AC ABI49477;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 349450 for detecting SNP TSC0046149.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX FN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 349450; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
XX SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 905 TCATTCTCT 913  
DB 3 TCATTCTCT 11  
  
RESULT 2708  
ABI71445/c  
ID ABI71445 standard; DNA; 12 BP.  
XX AC ABI71445;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 371418 for detecting SNP TSC0058760.  
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX FN WO200177384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIC-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX DR WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 371418; 29pp + Sequence Listing; German.  
XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
XX  
XX Query Match 12.3%; Score 9; DB 1; Length 12;  
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX

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Qy 943 ATTGGTTTA 951
Db 9 ATTGGTTTA 1
|||||
9 ATTGGTTTA 1

RESULT 2709
ABI72995
ID ABI72995 standard; DNA; 12 BP.
AC ABI72995;
XX
XX 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 372968 for detecting SNP TSC0059753.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 372968; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 907 ATTTCTTT 915
Db 3 ATTTCTTT 11
|||||
3 ATTTCTTT 11

RESULT 2710
ABH98656
ID ABH98656 standard; DNA; 12 BP.
XX
XX ABH98656;
AC
XX
XX 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 372968 for detecting SNP TSC0059753.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Claim 1; SEQ ID NO 372968; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 2 A; 2 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 907 ATTTCTTT 915
Db 3 ATTTCTTT 11
|||||
3 ATTTCTTT 11

RESULT 2711
ABI01426/C
ID ABI01426 standard; DNA; 12 BP.
XX
XX ABI01426;
AC
XX
XX 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 301399 for detecting SNP TSC0019482.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Claim 1; SEQ ID NO 298649; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 907 ATTTCTTT 915
Db 1 ATTTCTTT 9
|||||
1 ATTTCTTT 9

RESULT 2711
ABI01426/C
ID ABI01426 standard; DNA; 12 BP.
XX
XX ABI01426;
AC
XX
XX 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 301399 for detecting SNP TSC0019482.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX Claim 1; SEQ ID NO 298649; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 1 C; 0 G; 8 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 907 ATTTCTTT 915
Db 1 ATTTCTTT 9
|||||
1 ATTTCTTT 9
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CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 3 A; 0 C; 8 G; 1 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 931 TCCCTCCTC 939
Db 12 TCCCTCCTC 4

RESULT 2714
ABH78286/c
ID ABH78286 standard; DNA; 12 BP.
XX
AC ABH78286;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 278279 for detecting SNP TSC0005952.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 278279; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 1 C; 0 G; 4 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 TTAATGTAT 957
Db 12 TTAATGTAT 4

RESULT 2715
ABH79871
ID ABH79871 standard; DNA; 12 BP.
XX
AC ABH79871;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 279864 for detecting SNP TSC0007982.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 329815; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 925 CTTTATCC 933
Db 1 CTTTATCC 9

RESULT 2716
ABH79871
ID ABH79871 standard; DNA; 12 BP.
XX
AC ABH79871;
XX
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 279864 for detecting SNP TSC0007982.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
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XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 279864; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9
|||||||
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RESULT 2717
ABH87718/c
ID ABH87718 standard; DNA; 12 BP.
XX AC ABH87718;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 287711 for detecting SNP TSC0013217.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 1 C; 4 G; 5 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGT 955
DB 1 GTTTAATGT 9
|||||||
|

RESULT 2718
ABI37858
ID ABI37858 standard; DNA; 12 BP.
XX AC ABI37858;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 337831 for detecting SNP TSC0040087.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 337831; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGT 955
DB 12 GTTTAATGT 4
|||||||
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PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX Claim 1; SEQ ID NO 287711; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGT 955
DB 12 GTTTAATGT 4
|||||||
|

RESULT 2718
ABI37858
ID ABI37858 standard; DNA; 12 BP.
XX AC ABI37858;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 337831 for detecting SNP TSC0040087.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 337831; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 947 GTTTAATGT 955
DB 12 GTTTAATGT 4
|||||||
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Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 930 ATCCCTCCT 938
DB 10 ATCCCTCCT 2

RESULT 2720
ABI53048
ID ID ABI53048 standard; DNA; 12 BP.
XX AC AC
XX AC AC
XX AC AC
DT 22-FEB-2002 (first entry)
DE DE
DE DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
OS OS
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 353021; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010-
XX -ABG9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX Sequence 12 BP; 5 A; 0 C; 2 G; 5 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957
DB 4 TTAATGTAT 12

RESULT 2721
ABI55373
ID ID ABI55373 standard; DNA; 12 BP.

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AC ABI55373;

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XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 355346 for detecting SNP TSC0007599.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 355346; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
DB 2 TTGGTTTAA 10
|||||||
RESULT 2722
ABI61962/C
ID ABI61962 standard; DNA; 12 BP.
XX AC ABI61962;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 361935 for detecting SNP TSC0007080.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 355346; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
DB 2 TTGGTTTAA 10
|||||||
RESULT 2722
ABI61962/C
ID ABI61962 standard; DNA; 12 BP.
XX AC ABI61962;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 361935 for detecting SNP TSC0007080.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 361935; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 10 ATTTCCTTT 2
|||||||
RESULT 2723
ABH93614
ID ABH93614 standard; DNA; 12 BP.
XX AC ABH93614;
XX 22-FEB-2002 (first entry)
XX Oligonucleotide primer SEQ ID NO 293607 for detecting SNP TSC0015705.
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 361935; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC9989, ABF0010-ABF9989, ABH0010-ABH9989 and ABI0010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 0 C; 1 G; 4 T; 0 U; 0 Other;
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 907 ATTTCCTTT 915
DB 10 ATTTCCTTT 2
|||||||

```



PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.

XX Claim 1; SEQ ID NO 293607; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX Sequence 12 BP; 3 A; 3 C; 0 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 906 CATTTCCT 914  
Db 4 CATTTCCT 12

RESULT 2724

ABH95642/C  
ID ABH95642 standard; DNA; 12 BP.

XX AC ABH95642;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 295635 for detecting SNP TSC0016664.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 295635; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073

CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 925 CTTTATCC 933  
Db 9 CTTTATCC 1

RESULT 2725

ABI20773  
ID ABI20773 standard; DNA; 12 BP.

XX AC ABI20773;

XX DT 22-FEB-2002 (first entry)

XX Oligonucleotide primer SEQ ID NO 320746 for detecting SNP TSC0029862.

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX Homo sapiens.

XX WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.

XX Claim 1; SEQ ID NO 320746; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTAA 952  
|||||

Db 3 TTGGTTAA 11

RESULT 2726  
ABI27241/C  
ID ABI27241 standard; DNA; 12 BP.  
XX AC  
XX ABI27241;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 327214 for detecting SNP TSC0033501.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 327214; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 5 A; 1 C; 4 G; 2 T; 0 U; 0 Other;  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 5 A; 1 C; 4 G; 2 T; 0 U; 0 Other;  
XX  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 928 TTATCCCTC 936  
Db 12 TTATCCCTC 4  
XX  
RESULT 2727  
ABI33479/C  
ID ABI33479 standard; DNA; 12 BP.  
XX AC  
XX ABI33479;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 333452 for detecting SNP TSC0037552.  
XX

KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PF 06-APR-2001; 2001WO-IB000713.  
XX  
PR 07-APR-2000; 2000DE-01019173.  
XX  
PA (EPIG-) EPIGENOMICS AG.  
XX  
PI Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX  
XX Claim 1; SEQ ID NO 333452; 29pp + Sequence Listing; German.  
XX  
CC This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 6 A; 2 C; 0 G; 4 T; 0 U; 0 Other;  
XX  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
XX  
QY 948 TTTAATGTA 956  
Db 9 TTTAATGTA 1  
XX  
RESULT 2728  
ABH84492  
ID ABH84492 standard; DNA; 12 BP.  
XX AC  
XX ABH84492;  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 284485 for detecting SNP TSC0011850.  
XX  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
PN WO200177384-A2.  
XX  
PD 18-OCT-2001.  
XX  
PR 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
PR

XX (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 284485; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 4 A; 3 C; 0 G; 5 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 925 CTTTATCC 933  
 Db 1 CTTTATCC 9  
 RESULT 2729  
 AB136252/C  
 ID AB136252 standard; DNA; 12 BP.  
 AC AB136252;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 336225 for detecting SNP TSC0039257.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 336225; 29pp + Sequence Listing; German.

CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 924 CTTTATCC 932  
 Db 12 CTTTATCC 4  
 RESULT 2730  
 ABH86163  
 ID ABH86163 standard; DNA; 12 BP.  
 XX  
 AC ABH86163;  
 XX 22-FEB-2002 (first entry)  
 DE Oligonucleotide primer SEQ ID NO 286156 for detecting SNP TSC0012603.  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX Homo sapiens.  
 OS  
 XX WO200177384-A2.  
 PD 18-OCT-2001.  
 PF 06-APR-2001; 2001WO-IB000713.  
 PR 07-APR-2000; 2000DE-01019173.  
 XX (EPiG-) EPIGENOMICS AG.  
 XX Olek A, Piepenbrock C, Berlin K;  
 XX WPI; 2001-657177/75.  
 XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX Claim 1; SEQ ID NO 286156; 29pp + Sequence Listing; German.  
 XX This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC9989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX

SQ Sequence 12 BP; 1 A; 4 C; 0 G; 7 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 926 TTTTATCCC 934  
 DB 2 TTTTATCCC 10  
 |||||

RESULT 2731  
 ABH87645  
 ID ABH87645 standard; DNA; 12 BP.  
 XX  
 AC ABH87645;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 287638 for detecting SNP TSC0013177.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 287638; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 945 TGGTTTAAAT 953  
 DB 4 TGGTTTAAAT 12  
 |||||

RESULT 2732  
 ABI58542  
 ID ABI58542 standard; DNA; 12 BP.  
 XX  
 AC ABI58542;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 380583 for detecting SNP TSC0063879.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

ID ABI58542 standard; DNA; 12 BP.  
 XX  
 AC ABI58542;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 358515 for detecting SNP TSC0051168.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200177384-A2.  
 XX  
 PD 18-OCT-2001.  
 XX  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX  
 PR 07-APR-2000; 2000DE-01019173.  
 XX  
 PA (EPIC-) EPIGENOMICS AG.  
 XX  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX  
 DR WPI; 2001-657177/75.  
 XX  
 PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX  
 PS Claim 1; SEQ ID NO 358515; 29pp + Sequence Listing; German.  
 XX  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
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 CC data for this patent did not form part of the printed specification, but  
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 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX  
 SQ Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941  
 DB 3 CCTCCTCTT 11  
 |||||

RESULT 2733  
 ABI80610  
 ID ABI80610 standard; DNA; 12 BP.  
 XX  
 AC ABI80610;  
 XX  
 DT 22-FEB-2002 (first entry)  
 XX  
 DE Oligonucleotide primer SEQ ID NO 380583 for detecting SNP TSC0063879.  
 XX  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX  
 OS Homo sapiens.

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XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 317446; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGTTTA 951
XX DB 1 ATTGTTTA 9
XX
XX RESULT 2734
XX ABI17473/C
XX ID ABI17473 standard; DNA; 12 BP.
XX XX
XX AC ABI17473;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 317446 for detecting SNP TSC0028021.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 380583; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGTTTA 951
XX DB 1 ATTGTTTA 9
XX
XX RESULT 2734
XX ABI17473/C
XX ID ABI17473 standard; DNA; 12 BP.
XX XX
XX AC ABI17473;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 317446 for detecting SNP TSC0028021.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 317446; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX XX
XX SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 905 TCATTTCCT 913
XX DB 9 TCATTTCCT 1
XX
XX RESULT 2735
XX ABI20578/C
XX ID ABI20578 standard; DNA; 12 BP.
XX XX
XX AC ABI20578;
XX XX
XX DT 22-FEB-2002 (first entry)
XX DE
XX DE Oligonucleotide primer SEQ ID NO 320551 for detecting SNP TSC0029787.
XX XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX XX
XX OS Homo sapiens.
XX XX
XX PN WO200177384-A2.
XX XX
XX PD 18-OCT-2001.
XX XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX XX
XX PR 07-APR-2000; 2000DE-01019173.
XX XX
XX PA (EPIG-) EPIGENOMICS AG.
XX XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX XX
XX DR WPI; 2001-657177/75.
XX XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX XX
XX PS Claim 1; SEQ ID NO 320551; 29pp + Sequence Listing; German.
XX XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
```

CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 4 A; 0 C; 6 G; 2 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 933 CCTCTCTT 941  
DB 9 CCTCTCTT 1  
  
RESULT 2736  
ABI23817/c  
ID ABI23817 standard; DNA; 12 BP.  
XX  
AC ABI23817;  
XX  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 323790 for detecting SNP TSC0031611.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 323790; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: the sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 945 TGGTTTAAT 953  
DB 11 TGGTTTAAT 3  
  
RESULT 2737  
ABI12531/c  
ID ABI12531 standard; DNA; 12 BP.  
XX  
AC ABI12531;  
XX  
XX  
DT 22-FEB-2002 (first entry)  
XX  
DE Oligonucleotide primer SEQ ID NO 312504 for detecting SNP TSC0025096.  
XX  
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX  
XX Homo sapiens.  
XX  
XX WO200177384-A2.  
XX  
XX 18-OCT-2001.  
XX  
XX 06-APR-2001; 2001WO-IB000713.  
XX  
XX 07-APR-2000; 2000DE-01019173.  
XX  
XX (EPIG-) EPIGENOMICS AG.  
XX  
XX Olek A, Piepenbrock C, Berlin K;  
XX  
XX WPI; 2001-657177/75.  
XX  
XX  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX  
XX Claim 1; SEQ ID NO 312504; 29pp + Sequence Listing; German.  
XX  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences  
XX  
XX Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;  
  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 947 GTTTAATGT 955  
DB 9 GTTTAATGT 1  
  
RESULT 2738  
ABI39602/c  
ID ABI39602 standard; DNA; 12 BP.  
XX  
AC ABI39602;  
XX  
XX  
DT 22-FEB-2002 (first entry)

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XX Oligonucleotide primer SEQ ID NO 339575 for detecting SNP TSC0041078.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 339575; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 2 G; 3 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTTT 915
XX |||||
XX 9 ATTTCCTTT 1
XX
XX RESULT 2739
XX ABI52286
XX ID ABI52286 standard; DNA; 12 BP.
XX
XX AC ABI52286;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 352259 for detecting SNP TSC0047765.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX

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PF 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 352259; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 2 C; 0 G; 9 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTTT 915
XX |||||
XX 1 ATTTCCTTT 9
XX
XX Db
XX
XX RESULT 2740
XX ABI75107/c
XX ID ABI75107 standard; DNA; 12 BP.
XX
XX AC ABI75107;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 375080 for detecting SNP TSC0061058.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX
XX (EPIG-) EPIGENOMICS AG.
XX
XX Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX

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XX PS Claim 1; SEQ ID NO 375080; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ASC00010 -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 6 A; 3 C; 0 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 943 ATTGGTTA 951  
Db 11 ATTGGTTA 3

RESULT 2741  
ABI77250  
ID ABI77250 standard; DNA; 12 BP.  
XX AC ABI77250;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 377223 for detecting SNP TSC0062198.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO20017384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 377223; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but

CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 1 A; 1 C; 0 G; 10 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 907 ATTTCCTT 915  
Db 1 ATTTCCTT 9

RESULT 2742  
ABI79569/C  
ID ABI79569 standard; DNA; 12 BP.  
XX AC ABI79569;  
XX DT 22-FEB-2002 (first entry)  
XX DE Oligonucleotide primer SEQ ID NO 379542 for detecting SNP TSC0000620.  
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX OS Homo sapiens.  
XX PN WO20017384-A2.  
XX PD 18-OCT-2001.  
XX PF 06-APR-2001; 2001WO-IB000713.  
XX PR 07-APR-2000; 2000DE-01019173.  
XX PA (EPIG-) EPIGENOMICS AG.  
XX PI Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX PS Claim 1; SEQ ID NO 379542; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP) and cytosine methylation status in chemically pretreated genomic DNA. The oligonucleotides are used for diagnosis and/or prognosis of cancer and a range of diseases including immune system, gastrointestinal, respiratory, central nervous system, cardiovascular and metabolic disorders. The oligomers are also used for detecting cell type differentiation. ABC00010 -ABC99989, ABF00010-ABF9989, ABH00010-ABH9989 and ABI00010-ABI82073 represent the oligomers described in the invention. NOTE: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 1 A; 1 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 960 CTACCAACG 968  
Db 12 CTACCAACG 4



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RESULT 2743
ABI80054
ID ABI80054 standard; DNA; 12 BP.
XX
AC ABI80054;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 380027 for detecting SNP TSC0063601.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 380258; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 943 ATTGGTTTA 951
DB 2 ATTGGTTTA 10
RESULT 2744
ABI80285/C
ID ABI80285 standard; DNA; 12 BP.
XX
AC ABI80285;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 380258 for detecting SNP TSC0063724.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.
XX
PI Olek A, Piepenbrock C, Berlin K;
XX
PI WPI; 2001-657177/75.
XX
DR Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 380258; 29pp + Sequence Listing; German.
XX
CC This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
PS Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 943 ATTGGTTTA 951
DB 2 ATTGGTTTA 10

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KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX Claim 1; SEQ ID NO 380258; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 3 C; 0 G; 4 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
DB 9 TTGGTTTAA 1
RESULT 2745
ABI18521/C
ID ABI18521 standard; DNA; 12 BP.
XX
AC ABI18521;
XX
DT 22-FEB-2002 (first entry)
XX
DE Oligonucleotide primer SEQ ID NO 318494 for detecting SNP TSC0028680.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
OS Homo sapiens.
XX
PN WO200177384-A2.
XX
PD 18-OCT-2001.
XX
PF 06-APR-2001; 2001WO-IB000713.
XX
PR 07-APR-2000; 2000DE-01019173.
XX
PA (EPIG-) EPIGENOMICS AG.

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XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 319494; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 1 C; 3 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 904 GTCATTTTC 912
DB 12 GTCATTTTC 4
RESULT 2746
ABH95794/C
ID ABH95794 standard; DNA; 12 BP.
XX
XX ABH95794;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 295787 for detecting SNP TSC0016735.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
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XX 06-APR-2001; 2001WO-IB000713.
PF
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XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
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XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 295787; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 1 C; 3 G; 3 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 904 GTCATTTTC 912
DB 12 GTCATTTTC 4
RESULT 2746
ABH95794/C
ID ABH95794 standard; DNA; 12 BP.
XX
XX ABH95794;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 295787 for detecting SNP TSC0016735.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
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XX WO200177384-A2.
PN
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XX 18-OCT-2001.
PD
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XX 06-APR-2001; 2001WO-IB000713.
PF
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XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
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XX Olek A, Piepenbrock C, Berlin K;
PI
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XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 295787; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)

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CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
SQ
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 905 TCATTTTCT 913
DB 12 TCATTTTCT 4
RESULT 2747
ABH71477/C
ID ABH71477 standard; DNA; 12 BP.
XX
XX ABH71477;
AC
XX
XX 22-FEB-2002 (first entry)
DT
XX
XX Oligonucleotide primer SEQ ID NO 271454 for detecting SNP TSC0002511.
DE
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
OS
XX
XX WO200177384-A2.
PN
XX
XX 18-OCT-2001.
PD
XX
XX 06-APR-2001; 2001WO-IB000713.
PF
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XX 07-APR-2000; 2000DE-01019173.
PR
XX
XX (EPIG-) EPIGENOMICS AG.
PA
XX
XX Olek A, Piepenbrock C, Berlin K;
PI
XX
XX WPI; 2001-657177/75.
DR
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
PT designed to detect single-nucleotide polymorphisms and cytosine
PT methylation status.
XX
XX Claim 1; SEQ ID NO 271454; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 5 A; 0 C; 5 G; 2 T; 0 U; 0 Other;
SQ

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Query Match      12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 930 ATCCCTCCT 938
Db 12 ATCCCTCCT 4

RESULT 2748
ABH98680
ID ABH98680 standard; DNA; 12 BP.
AC ABH98680;
XX
XX
XX 22-FEB-2002 (first entry)
DE
DE Oligonucleotide primer SEQ ID NO 298673 for detecting SNP TSC0018232.
KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 298673; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 1 A; 5 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 928 TTATCCCTC 936
XX Db 1 TTATCCCTC 9
XX
XX RESULT 2749
XX ABH83505/c
XX ID ABH83505 standard; DNA; 12 BP.
XX
XX

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AC ABH83505;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 283498 for detecting SNP TSC0011348.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX
XX 07-APR-2000; 2000DE-01019173.
XX (EPiG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 283498; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 7 A; 3 C; 0 G; 2 T; 0 U; 0 Other;
XX
XX Query Match      12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 944 TTGGTTTAA 952
XX Db 9 TTGGTTTAA 1
XX
XX RESULT 2750
XX ABH90123/c
XX ID ABH90123 standard; DNA; 12 BP.
XX
XX ABH90123;
XX
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 290116 for detecting SNP TSC0014219.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX
XX WO200177384-A2.
XX

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XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 290116; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 9 A; 0 C; 2 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTTT 915
XX DB 11 ATTTCCTTT 3
XX
XX RESULT 2751
XX AB155152/C
XX ID AB155152 standard; DNA; 12 BP.
XX AC AB155152;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 355125 for detecting SNP TSC0007952.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPITG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX DR
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 376558; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 5 A; 1 C; 0 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 949 TTAATGTAT 957
XX DB 9 TTAATGTAT 1
XX
XX RESULT 2752
XX AB176585
XX ID AB176585 standard; DNA; 12 BP.
XX AC AB176585;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 376558 for detecting SNP TSC0010339.
XX SN; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX PI WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 376558; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010

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CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 944 TTGGTTTAA 952
DB 1 TTGGTTTAA 9
RESULT 2753
ABI81153
ID ABI81153 standard; DNA; 12 BP.
XX
XX AC ABI81153;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 381126 for detecting SNP TSC0064187.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 381126; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 949 TTAATGTAT 957
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DB 1 TTAATGTAT 9
RESULT 2754
ABH68821
ID ABH68821 standard; DNA; 12 BP.
XX
XX AC ABH68821;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 268798 for detecting SNP TSC0001412.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX DR WPI; 2001-657177/75.
XX
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX PS Claim 1; SEQ ID NO 268798; 29pp + Sequence Listing; German.
XX
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 3 A; 0 C; 3 G; 6 T; 0 U; 0 Other;
XX
Query Match 12.3%; Score 9; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 943 ATTGGTTTA 951
DB 1 ATTGGTTTA 9
RESULT 2755
ABI04504
ID ABI04504 standard; DNA; 12 BP.
XX
XX AC ABI04504;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 304477 for detecting SNP TSC0020962.
```

XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 304477; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 2 A; 3 C; 0 G; 7 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 905 TCATTCTCT 913  
DB 4 TCATTCTCT 12  
RESULT 2756  
ABH81368/c  
ID ABH81368 standard; DNA; 12 BP.  
XX AC ABH81368;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 281361 for detecting SNP TSC0009680.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX

PR 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 281361; 29pp + Sequence Listing; German.  
XX This invention describes novel oligonucleotide primers or peptide nucleic  
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
CC and cytosine methylation status in chemically pretreated genomic DNA. The  
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
CC range of diseases including immune system, gastrointestinal, respiratory,  
CC central nervous system, cardiovascular and metabolic disorders. The  
CC oligomers are also used for detecting cell type differentiation. ABC00010  
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and AB100010-AB182073  
CC represent the oligomers described in the invention. NOTE: The sequence  
CC data for this patent did not form part of the printed specification, but  
CC was obtained in electronic format from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences  
XX  
SQ Sequence 12 BP; 6 A; 0 C; 3 G; 3 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 905 TCATTCTCT 913  
DB 10 TCATTCTCT 2  
RESULT 2757  
ABI47930  
ID ABI47930 standard; DNA; 12 BP.  
XX AC ABI47930;  
XX 22-FEB-2002 (first entry)  
XX Oligonucleotide primer SEQ ID NO 347903 for detecting SNP TSC0045335.  
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
XX Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIG-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
PT designed to detect single-nucleotide polymorphisms and cytosine  
PT methylation status.  
XX Claim 1; SEQ ID NO 347903; 29pp + Sequence Listing; German.  
XX

```
XX This invention describes novel oligonucleotide primers or peptide nucleic
CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
CC and cytosine methylation status in chemically pretreated genomic DNA. The
CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 12 BP; 5 A; 0 C; 1 G; 6 T; 0 U; 0 Other;
  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  QY 949 TTAATGTAT 957
  DB 1 TTAATGTAT 9
  RESULT 2758
  ABI54931
  ID ABI54931 standard; DNA; 12 BP.
  XX
  AC ABI54931;
  XX
  DT 22-FEB-2002 (first entry)
  DE Oligonucleotide primer SEQ ID NO 354904 for detecting SNP TSC0009622.
  XX
  KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
  KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
  KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
  XX
  OS Homo sapiens.
  XX
  PN WO200177384-A2.
  XX
  PD 18-OCT-2001.
  XX
  PF 06-APR-2001; 2001WO-IB000713.
  XX
  PR 07-APR-2000; 2000DE-01019173.
  XX
  PA (EPIG-) EPIGENOMICS AG.
  XX
  PI Olek A, Piepenbrock C, Berlin K;
  XX
  DR WPI; 2001-657177/75.
  XX
  PT Set of oligonucleotides, useful for diagnosis and cell typing, is
  PT designed to detect single-nucleotide polymorphisms and cytosine
  PT methylation status.
  XX
  PS Claim 1; SEQ ID NO 354904; 29pp + Sequence Listing; German.
  XX
  CC This invention describes novel oligonucleotide primers or peptide nucleic
  CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
  CC and cytosine methylation status in chemically pretreated genomic DNA. The
  CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
  CC range of diseases including immune system, gastrointestinal, respiratory,
  CC central nervous system, cardiovascular and metabolic disorders. The
  CC oligomers are also used for detecting cell type differentiation. ABC00010
  CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
  CC represent the oligomers described in the invention. NOTE: The sequence
  CC data for this patent did not form part of the printed specification, but
  CC was obtained in electronic format from WIPO at
  CC ftp.wipo.int/pub/published_pct_sequences
  CC
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```
XX
SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  QY 943 ATTGGTTTA 951
  DB 4 ATTGGTTTA 12
  RESULT 2759
  ABI60048
  ID ABI60048 standard; DNA; 12 BP.
  XX
  AC ABI60048;
  XX
  DT 22-FEB-2002 (first entry)
  DE Oligonucleotide primer SEQ ID NO 360021 for detecting SNP TSC0001746.
  XX
  KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
  KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
  KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
  XX
  OS Homo sapiens.
  XX
  PN WO200177384-A2.
  XX
  PD 18-OCT-2001.
  XX
  PF 06-APR-2001; 2001WO-IB000713.
  XX
  PR 07-APR-2000; 2000DE-01019173.
  XX
  PA (EPIG-) EPIGENOMICS AG.
  XX
  PI Olek A, Piepenbrock C, Berlin K;
  XX
  DR WPI; 2001-657177/75.
  XX
  PT Set of oligonucleotides, useful for diagnosis and cell typing, is
  PT designed to detect single-nucleotide polymorphisms and cytosine
  PT methylation status.
  XX
  PS Claim 1; SEQ ID NO 360021; 29pp + Sequence Listing; German.
  XX
  CC This invention describes novel oligonucleotide primers or peptide nucleic
  CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
  CC and cytosine methylation status in chemically pretreated genomic DNA. The
  CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
  CC range of diseases including immune system, gastrointestinal, respiratory,
  CC central nervous system, cardiovascular and metabolic disorders. The
  CC oligomers are also used for detecting cell type differentiation. ABC00010
  CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
  CC represent the oligomers described in the invention. NOTE: The sequence
  CC data for this patent did not form part of the printed specification, but
  CC was obtained in electronic format from WIPO at
  CC ftp.wipo.int/pub/published_pct_sequences
  XX
  SQ Sequence 12 BP; 4 A; 0 C; 3 G; 5 T; 0 U; 0 Other;
  Query Match      12.3%; Score 9; DB 1; Length 12;
  Best Local Similarity 100.0%; Pred. No. 1.4e+03;
  Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
  QY 944 TTGGTTTAA 952
  DB 1 TTGGTTTAA 9
  RESULT 2760
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```
AB181772/c
ID AB181772 standard; DNA; 12 BP.
XX AC AB181772;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 381745 for detecting SNP TSC0000410.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 381745; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Sequence 12 BP; 7 A; 0 C; 3 G; 2 T; 0 U; 0 Other;
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 905 TCATTTCCT 913
XX Db 10 TCATTTCCT 2
XX RESULT 2761
XX ABI19954
XX ID ABI19954 standard; DNA; 12 BP.
XX AC ABI19954;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 319927 for detecting SNP TSC0029474.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 381745; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 905 TCATTTCCT 913
XX Db 10 TCATTTCCT 2
XX RESULT 2761
XX ABI19954
XX ID ABI19954 standard; DNA; 12 BP.
XX AC ABI19954;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 319927 for detecting SNP TSC0029474.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
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OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
XX DR WPI; 2001-657177/75.
XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is
XX PT designed to detect single-nucleotide polymorphisms and cytosine
XX PT methylation status.
XX PS Claim 1; SEQ ID NO 319927; 29pp + Sequence Listing; German.
XX CC This invention describes novel oligonucleotide primers or peptide nucleic
XX CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX CC and cytosine methylation status in chemically pretreated genomic DNA. The
XX CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX CC range of diseases including immune system, gastrointestinal, respiratory,
XX CC central nervous system, cardiovascular and metabolic disorders. The
XX CC oligomers are also used for detecting cell type differentiation. ABC00010
XX CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX CC represent the oligomers described in the invention. NOTE: The sequence
XX CC data for this patent did not form part of the printed specification, but
XX CC was obtained in electronic format from WIPO at
XX CC ftp.wipo.int/pub/published_pct_sequences
XX SQ Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX QY 948 TTTAATGTA 956
XX Db 4 TTTAATGTA 12
XX RESULT 2762
XX ABI21828/c
XX ID ABI21828 standard; DNA; 12 BP.
XX AC ABI21828;
XX DT 22-FEB-2002 (first entry)
XX DE Oligonucleotide primer SEQ ID NO 321801 for detecting SNP TSC0030499.
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX KW central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX OS Homo sapiens.
XX PN WO200177384-A2.
XX PD 18-OCT-2001.
XX PF 06-APR-2001; 2001WO-IB000713.
XX PR 07-APR-2000; 2000DE-01019173.
XX PA (EPIG-) EPIGENOMICS AG.
XX PI Olek A, Piepenbrock C, Berlin K;
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XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 321801; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 8 A; 0 C; 2 G; 2 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 907 ATTTCCTT 915
XX 11 ATTTCCTT 3
XX
XX RESULT 2763
XX ABI25990/C
XX ID ABI25990 standard; DNA; 12 BP.
XX
XX AC ABI25990;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 325963 for detecting SNP TSC0032834.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 325963; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a

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CC range of diseases including immune system, gastrointestinal, respiratory,
CC central nervous system, cardiovascular and metabolic disorders. The
CC oligomers are also used for detecting cell type differentiation. ABC00010
CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
CC represent the oligomers described in the invention. NOTE: The sequence
CC data for this patent did not form part of the printed specification, but
CC was obtained in electronic format from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 7 A; 0 C; 4 G; 1 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 906 CATTTCCTT 914
XX 9 CATTTCCTT 1
XX
XX RESULT 2764
XX ABH77554
XX ID ABH77554 standard; DNA; 12 BP.
XX
XX AC ABH77554;
XX
XX DT 22-FEB-2002 (first entry)
XX
XX DE Oligonucleotide primer SEQ ID NO 277547 for detecting SNP TSC0004502.
XX
XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX OS Homo sapiens.
XX
XX PN WO200177384-A2.
XX
XX PD 18-OCT-2001.
XX
XX PF 06-APR-2001; 2001WO-IB0000713.
XX
XX PR 07-APR-2000; 2000DE-01019173.
XX
XX PA (EPIG-) EPIGENOMICS AG.
XX
XX PI Olek A, Piepenbrock C, Berlin K;
XX
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX
XX Claim 1; SEQ ID NO 277547; 29pp + Sequence Listing; German.
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;

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Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTTAA 952  
 Db 2 TTGGTTTAA 10

RESULT 2765  
 ABI04842/C  
 ID ABI04842 standard; DNA; 12 BP.  
 XX AC  
 AC ABI04842;  
 XX DT  
 DT 22-FEB-2002 (first entry)  
 XX DE  
 DE Oligonucleotide primer SEQ ID NO 304815 for detecting SNP TSC0021123.  
 XX KW  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS  
 OS Homo sapiens.  
 XX PN  
 PN WO200177384-A2.  
 XX PD  
 PD 18-OCT-2001.  
 XX PF  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX PR  
 PR 07-APR-2000; 2000DE-01019173.  
 XX PA  
 PA (EPiG-) EPiGENOMICS AG.  
 XX PI  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX WI  
 WI; 2001-657177/75.  
 XX DR  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX PS  
 PS Claim 1; SEQ ID NO 304815; 29pp + Sequence Listing; German.  
 XX CC  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ  
 SQ Sequence 12 BP; 8 A; 1 C; 0 G; 3 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGAT 957  
 Db 12 TTAATGAT 4

RESULT 2766  
 ABI38582  
 ID ABI38582 standard; DNA; 12 BP.  
 XX AC  
 AC ABI38582;  
 XX XX

DT 22-FEB-2002 (first entry)  
 XX Oligonucleotide primer SEQ ID NO 338555 for detecting SNP TSC0040547.  
 DE SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 KW OS  
 OS Homo sapiens.  
 XX XX  
 PN WO200177384-A2.  
 XX PD  
 PD 18-OCT-2001.  
 XX PF  
 PF 06-APR-2001; 2001WO-IB000713.  
 XX PR  
 PR 07-APR-2000; 2000DE-01019173.  
 XX PA  
 PA (EPiG-) EPiGENOMICS AG.  
 XX PI  
 PI Olek A, Piepenbrock C, Berlin K;  
 XX WI  
 WI; 2001-657177/75.  
 XX DR  
 DR Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.  
 XX PS  
 PS Claim 1; SEQ ID NO 338555; 29pp + Sequence Listing; German.  
 XX CC  
 CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences  
 XX SQ  
 SQ Sequence 12 BP; 0 A; 6 C; 0 G; 6 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 933 CCTCCTCTT 941  
 Db 4 CCTCCTCTT 12

RESULT 2767  
 ABI15018  
 ID ABI15018 standard; DNA; 12 BP.  
 XX AC  
 AC ABI15018;  
 XX DT  
 DT 22-FEB-2002 (first entry)  
 XX DE  
 DE Oligonucleotide primer SEQ ID NO 314991 for detecting SNP TSC0026674.  
 XX KW  
 KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.  
 XX OS  
 OS Homo sapiens.  
 XX PN  
 PN WO200177384-A2.  
 XX PD  
 PD 18-OCT-2001.

```
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 314991; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 12 BP; 3 A; 0 C; 2 G; 7 T; 0 U; 0 Other;
XX
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 943 ATTGCTTTA 951
XX 2 ATTGCTTTA 10
XX
XX RESULT 2768
XX ABI44975/C
XX ID ABI44975 standard; DNA; 12 BP.
XX AC ABI44975;
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 344948 for detecting SNP TSC0043792.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 344948; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
XX data for this patent did not form part of the printed specification, but
XX was obtained in electronic format from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences
XX
XX Query Match 12.3%; Score 9; DB 1; Length 12;
XX Best Local Similarity 100.0%; Pred. No. 1.4e+03;
XX Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 930 ATCCCTCCT 938
XX 10 ATCCCTCCT 2
XX
XX RESULT 2769
XX ABI53781
XX ID ABI53781 standard; DNA; 12 BP.
XX AC ABI53781;
XX 22-FEB-2002 (first entry)
XX
XX Oligonucleotide primer SEQ ID NO 353754 for detecting SNP TSC0048693.
XX
XX SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;
XX peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;
XX central nervous system; gastrointestinal; respiratory; immune; metabolic.
XX
XX Homo sapiens.
XX WO200177384-A2.
XX 18-OCT-2001.
XX
XX 06-APR-2001; 2001WO-IB000713.
XX 07-APR-2000; 2000DE-01019173.
XX (EPIG-) EPIGENOMICS AG.
XX Olek A, Piepenbrock C, Berlin K;
XX WPI; 2001-657177/75.
XX
XX Set of oligonucleotides, useful for diagnosis and cell typing, is
XX designed to detect single-nucleotide polymorphisms and cytosine
XX methylation status.
XX Claim 1; SEQ ID NO 353754; 29pp + Sequence Listing; German.
XX This invention describes novel oligonucleotide primers or peptide nucleic
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)
XX and cytosine methylation status in chemically pretreated genomic DNA. The
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a
XX range of diseases including immune system, gastrointestinal, respiratory,
XX central nervous system, cardiovascular and metabolic disorders. The
XX oligomers are also used for detecting cell type differentiation. ABC00010
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073
XX represent the oligomers described in the invention. NOTE: The sequence
```

CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 0 C; 4 G; 6 T; 0 U; 0 Other;  
 Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 944 TTGGTTTAA 952  
 |||||  
 Db 3 TTGGTTTAA 11

## RESULT 2770

AB157395  
 ID AB157395 standard; DNA; 12 BP.

XX AC AB157395;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 357368 for detecting SNP TSC0050578.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 357368; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 2 A; 5 C; 0 G; 5 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 936 CCTCTTCAT 944  
 |||||  
 Db 3 CCTCTTCAT 11

## RESULT 2771

AB166046  
 ID AB166046 standard; DNA; 12 BP.

XX AC AB166046;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 366019 for detecting SNP TSC0055490.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;  
 KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
 KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

XX OS Homo sapiens.

XX FN WO200177384-A2.

XX PD 18-OCT-2001.

XX PF 06-APR-2001; 2001WO-IB000713.

XX PR 07-APR-2000; 2000DE-01019173.

XX PA (EPIG-) EPIGENOMICS AG.

XX PI Olek A, Piepenbrock C, Berlin K;

XX WPI; 2001-657177/75.

XX PT Set of oligonucleotides, useful for diagnosis and cell typing, is  
 PT designed to detect single-nucleotide polymorphisms and cytosine  
 PT methylation status.

XX PS Claim 1; SEQ ID NO 366019; 29pp + Sequence Listing; German.

XX CC This invention describes novel oligonucleotide primers or peptide nucleic  
 CC acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
 CC and cytosine methylation status in chemically pretreated genomic DNA. The  
 CC oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
 CC range of diseases including immune system, gastrointestinal, respiratory,  
 CC central nervous system, cardiovascular and metabolic disorders. The  
 CC oligomers are also used for detecting cell type differentiation. ABC00010  
 CC -AB00010-ABF9989, ABH00010-ABH9989 and AB100010-AB182073  
 CC represent the oligomers described in the invention. NOTE: The sequence  
 CC data for this patent did not form part of the printed specification, but  
 CC was obtained in electronic format from WIPO at  
 CC ftp.wipo.int/pub/published\_pct\_sequences

XX SQ Sequence 12 BP; 4 A; 0 C; 2 G; 6 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;  
 Best Local Similarity 100.0%; Pred. No. 1.4e+03;  
 Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 949 TTAATGTAT 957  
 |||||  
 Db 2 TTAATGTAT 10

## RESULT 2772

AB181849  
 ID AB181849 standard; DNA; 12 BP.

XX AC AB181849;

XX DT 22-FEB-2002 (first entry)

XX DE Oligonucleotide primer SEQ ID NO 381822 for detecting SNP TSC0064564.

XX KW SNP; single nucleotide polymorphism; human; diagnosis; PNA; cancer; CNS;

KW peptide nucleic acid; cytosine methylation; cardiovascular; primer; ss;  
KW central nervous system; gastrointestinal; respiratory; immune; metabolic.

OS Homo sapiens.  
XX WO200177384-A2.  
XX 18-OCT-2001.  
XX 06-APR-2001; 2001WO-IB000713.  
XX 07-APR-2000; 2000DE-01019173.  
XX (EPIC-) EPIGENOMICS AG.  
XX Olek A, Piepenbrock C, Berlin K;  
XX WPI; 2001-657177/75.  
XX Set of oligonucleotides, useful for diagnosis and cell typing, is  
XX designed to detect single-nucleotide polymorphisms and cytosine  
XX methylation status.  
XX Claim 1; SEQ ID NO 381822; 29pp + Sequence Listing; German.

XX This invention describes novel oligonucleotide primers or peptide nucleic  
XX acid (PNA) oligomers for detecting single nucleotide polymorphisms (SNP)  
XX and cytosine methylation status in chemically pretreated genomic DNA. The  
XX oligonucleotides are used for diagnosis and/or prognosis of cancer and a  
XX range of diseases including immune system, gastrointestinal, respiratory,  
XX central nervous system, cardiovascular and metabolic disorders. The  
XX oligomers are also used for detecting cell type differentiation. ABC00010  
XX -ABC99989, ABF00010-ABF99989, ABH00010-ABH99989 and ABI00010-ABI82073  
XX represent the oligomers described in the invention. NOTE: The sequence  
XX data for this patent did not form part of the printed specification, but  
XX was obtained in electronic format from WIPO at  
XX ftp.wipo.int/pub/published\_pct\_sequences

SQ Sequence 12 BP; 2 A; 0 C; 3 G; 7 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;

QY 943 ATTGGTTTA 951  
DB 4 ATTGGTTTA 12

RESULT 2773  
AAD45532  
ID AAD45532 standard; DNA; 12 BP.  
XX AAD45532;  
XX AAD45532;  
XX 27-DEC-2002 (first entry)  
XX JA11 linker DNA used to illustrate the method of the invention.  
XX Protein-protein interaction; detection; cancer; linker; ss.  
XX Unidentified.  
XX US6410239-B1.  
XX 25-JUN-2002.  
XX 14-DEC-1999; 99US-00461125.  
XX 14-JUN-1996; 96US-00663824.  
XX 13-JUN-1997; 97US-00874825.  
XX (CURA-) CURAGEN CORP.

XX Nandabalan K, Rothberg JM, Yang M, Knight JR, Kalbfleisch TS;  
PI WPI; 2002-654433/70.  
XX Detection of protein to protein interactions amongst two protein  
XX populations useful e.g. to identify interactions specific for particular  
XX tissues or diseases and to identify inhibitors of interactions uses a new  
XX genetic method.  
XX Example; Col 201; 152pp; English.

XX The present invention relates to novel methods for detecting protein to  
XX protein interactions amongst two populations of proteins, each having a  
XX complexity of at least 100. The method involves using new genetic methods  
XX in which encoded proteins are fused to either the DNA-binding domain of a  
XX transcriptional activator or the activation domain of a transcriptional  
XX activator. The methods are useful to detect interacting proteins and to  
XX identify protein-protein interactions specific for a particular species,  
XX tissue, stage of development or disease state, e.g. by comparing protein-  
XX protein interactions between populations from cDNA of cancerous or pre-  
XX cancerous cells with those from non-cancerous cells. They are also useful  
XX to identify inhibitors interfering with protein-protein interactions e.g.  
XX potential drug candidates inhibiting interactions specific to cancerous  
XX cells. The present sequence is a linker DNA used to illustrate the method  
XX of the invention

SQ Sequence 12 BP; 1 A; 4 C; 3 G; 4 T; 0 U; 0 Other;  
Query Match 12.3%; Score 9; DB 1; Length 12;  
Best Local Similarity 100.0%; Pred. No. 1.4e+03; Indels 0; Gaps 0;  
Matches 9; Conservative 0; Mismatches 0;

QY 936 CCTCTTCAT 944  
DB 3 CCTCTTCAT 11

RESULT 2774  
ADD24746/c  
ID ADD24746 standard; DNA; 12 BP.  
XX ADD24746;  
XX ADD24746;  
XX 15-JAN-2004 (first entry)  
XX Human NAT2 mutant C282T probe #2.  
XX diagnostic; pharmaceutical tolerance; side effect; drug; human;  
XX allelic variability; polymorphism; phase I; phase II;  
XX detoxification mechanism; PCR; primer; probe; NAT2; CYP2D6; CYP1A2;  
XX CYP3A4; MEH; TPMT; MTHFR; paraoxonase; CYP2C9; CYP2C19; CYP2E1; DPD; ss.  
XX Homo sapiens.  
XX WO2003018837-A2.  
XX 06-MAR-2003.  
XX 22-AUG-2002; 2002WO-EP009386.  
XX 24-AUG-2001; 2001DE-01040651.  
XX 30-APR-2002; 2002DE-01019373.  
XX (ADNA-) ADNAGEN AG.  
XX Waschuetza S, Schnakenberg E, Lustig M;  
XX WPI; 2003-290079/28.  
XX Diagnostic kit, useful for assessing a subject's tolerance of drugs,  
XX comprises reagents for determining alleles of genes encoding  
XX detoxification enzymes.

XX PS Disclosure; Page 86; 156pp; German.

XX CC This invention describes a novel diagnostic kit for determining tolerance

XX CC of pharmaceuticals in humans by determining allelic variability of at

XX CC least two polymorphisms of a human enzyme involved in phase I and/or II

XX CC of the detoxification mechanism in a blood, tissue or other human sample,

XX CC where tolerance is determined from presence or absence of alleles. The

XX CC kit comprises two pairs of oligonucleotide primers, in which each pair

XX CC amplifies, by PCR, part of a gene for a human detoxification mechanism-

XX CC associated enzyme. The kit may also contain two further pairs of

XX CC oligonucleotides, serving as probes for detection of amplified DNA

XX CC segments, especially where the probes are complementary to a single

XX CC strand of one allele of the target gene. The probes are labelled with

XX CC fluorophores (LC-Red640 or LC-Red705 for 5'-labelling or fluorescein for

XX CC 3'-labelling) which generate a different signal in the hybridized and non

XX CC -hybridized condition. The enzymes detected include NAT2, CYP2D6, CYP2A2,

XX CC CYP3A4, MEH, TPMT, MTHFR, paraoxonase, CYP2C9, CYP2C19, CYP2E1 or DPD.

XX CC The kit is used to determine an individual's tolerance of a particular

XX CC drug, to establish a suitable dose and/or to predict if a subject will

XX CC show side-effects to a drug. The kit provides minimally invasive, safe

XX CC and reliable determination of the metabolic capacity of phase I and/or II

XX CC enzymes at the molecular level. This sequence represents a probe used in

XX CC the kit of the invention.

XX SQ Sequence 12 BP; 3 A; 1 C; 5 G; 3 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 12;

Best Local Similarity 100.0%; Pred. No. 1.4e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 929 TATCCCTCC 937

DB 11 TATCCCTCC 3

RESULT 2775

AAAT04326

ID AAT04326 standard; DNA; 13 BP.

AC AAT04326;

DT 20-MAY-1996 (first entry)

DE Sense strand of sequencing probe B.

XX KW Polymerase chain reaction; PCR; primer; amplify; T4 DNA ligase;

XX KW streptavidin-coated magnetic beads; type II restriction endonuclease;

XX KW sequence diagnosis; genetic mapping; forensic analysis; probe; ds.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT misc\_feature 7..12

FT /\*tag= a

FT /note= "Ear I recognition site"

FT misc\_feature complement(13)

FT /\*tag= b

FT /note= "4 bp 5' overhang"

XX PN WO9527080-A2.

XX PD 12-OCT-1995.

XX PF 24-MAR-1995; 95WO-US003678.

XX PR 04-APR-1994; 94US-00222300.

XX PR 25-JUL-1994; 94US-00280441.

XX PA (LYNX-) LYNX THERAPEUTICS INC.

XX PI Brenner S;

XX PT

DR WPI; 1995-358649/46.

XX DNA sequencing by repeated ligation of probe and endonuclease cleavage -

PT avoids electrophoretic sepn. of similarly sized fragments, partic. for

PT determining zygosity at a particular locus.

XX PS Example 5; Page 28; 67pp; English.

XX CC This sequence represents the sense strand of a sequencing probe of the

XX CC invention. The antisense strand of this probe is AAT04327. The probe is

XX CC used to sequence a 368 bp fragment of pUC19 that was amplified by the

XX CC primers shown in AAT04319 and AAT04320. The amplified sequence was

XX CC attached to streptavidin-coated magnetic beads, and digested to produce a

XX CC 5' overhang. The immobilised sequence is then incubated with this set of

XX CC fluorescently labelled probes. In separate reactions, the probes are

XX CC ligated to the immobilised sequence using T4 DNA ligase. The probes are

XX CC then cleaved by a type II restriction endonuclease (in this case Ear I).

XX CC This cleavage shortens the immobilised DNA sequence by one nucleotide. By

XX CC cycling this reaction, the sequence of the target DNA can be determined.

XX CC This method can be used to sequence DNA at a predetermined genetic locus

XX CC (that has several possible allelic forms) to determine the zygosity of

XX CC the individual. It can also be used in sequence diagnosis, genetic

XX CC mapping or identification, forensic analysis and research in molecular

XX CC biology. This method avoids the problems of detecting/analysing

XX CC overlapping bands in a gel. Also, there is no need to generate DNA

XX CC fragments from a template sequence. The process is readily automated and

XX CC real time monitoring is possible

XX SQ Sequence 13 BP; 3 A; 5 C; 1 G; 4 T; 0 U; 0 Other;

Query Match 12.3%; Score 9; DB 1; Length 13;

Best Local Similarity 100.0%; Pred. No. 1.5e+03;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 935 TCCTCTTCA 943

DB 5 TCCTCTTCA 13

RESULT 2776

AAV41080

ID AAV41080 standard; DNA; 13 BP.

XX AC AAV41080;

XX DT 25-SEP-1998 (first entry)

XX DE Primer AML1EV12820L13 for abnormality detection.

XX KW PCR primer; chromosomal abnormality; abnormality detection; leukaemia;

XX KW lymphoma; carcinoma; adenocarcinoma; sarcoma; glioma; neuroblastoma;

XX KW medullablastoma; malignant melanoma; malignant neoplastic condition; ss.

XX OS Synthetic.

XX OS Homo sapiens.

XX PN WO9824928-A2.

XX PD 11-JUN-1998.

XX PF 08-DEC-1997; 97WO-DK000556.

XX PR 06-DEC-1996; 96DK-00001401.

XX PA (PALL/) PALLISGAARD N.

XX PI Pallsigaard N, Hokland P;

XX DR WPI; 1998-333344/29.

XX PT Detection of chromosomal abnormalities - by subjecting patient sample

XX PT nucleic acids to a multiplex molecular amplification procedure using

XX PT primers specific for characteristic nucleic acid sequence.